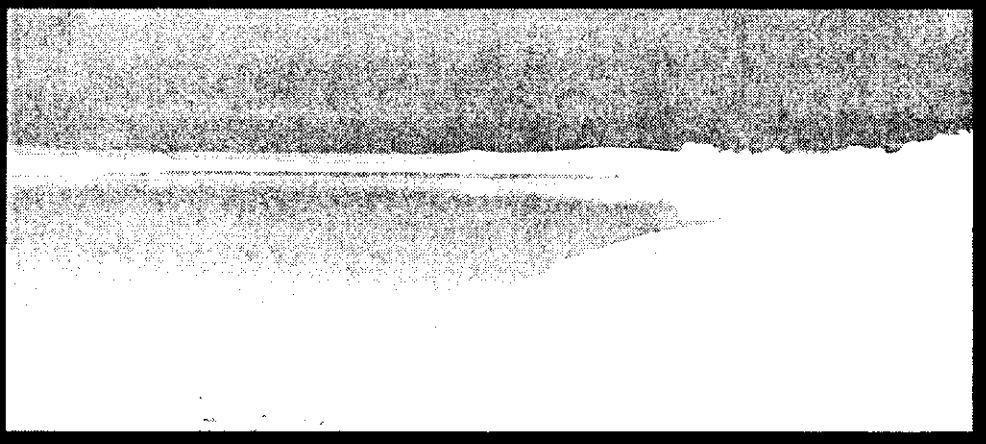
RPP-5044

River Protection Project FY 2000 Multi-Year Work Plan Summary



Prepared for the U.S. Department of Energy

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Hanford Management and Integration Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

Approved for Public Release

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Lockheed Martin Hanford Corporation

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Christine Willingham 8/27/99

C. Willingham

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RIVER PROTECTION PROJECT
FY 2000 MULTI-YEAR WORK PLAN SUMMARY

1.0 RIVER PROTECTION PROJECT OVERVIEW

1.1 River Protection Project Formation

The River Protection Project (RPP), formerly the Tank Waste Remediation System (TWRS), is a major part of the U.S. Department of Energy's (DOE) Office of River Protection (ORP). The ORP was established as directed by Congress in Section 3139 of the *Strom Thurmond National Defense Authorization Act for Fiscal Year (FY) 1999*. The ORP was established to elevate the reporting and accountability for the RPP to the DOE-Headquarters level. This was done to gain Congressional visibility and obtain support for a major $10 billion high-level liquid waste vitrification effort.

1.2 RPP Work Breakdown Structure/Organization

The RPP is organized in a structure consisting of 10 Project Baseline Summaries (PBS). The following PBSs make up the RPP:

TW01	Tank Waste Characterization
TW02	Tank Safety Issue Resolution
TW03	Tank Farm Operations
TW04	Retrieval
TW05	Process Waste Support
TW06	Privatization Phase 1
TW07	Privatization Phase 2
TW08	Privatization Infrastructure
TW09	Immobilized Tank Waste Storage and Disposal
TW10	Management Support.

The planning for RPP is consistent with the overall-planning schedule for the entire Hanford Site. Appendix A shows the overall fiscal year planning process flow. As part of the multi-year work plan (MYWP) process, work scope is prioritized and agreed to at all levels of management. This results in developing the Project Priority List (PPL) that, along with customer guidance, forms the basis for work scope determination for the revised baseline. The PPL for the fiscal year (FY) 2000 MYWP is included as Appendix B. Individual plans are then created for each PBS for incorporating scope, schedule, and

cost. Baseline planning is conducted in line with Lockheed Martin Hanford Corporation (LMHC) Management Directive LMH-MD-018, the specifics of which are depicted in the Baseline Planning Matrix (Figure 1).

Figure 1. Fiscal Year 2000 Baseline Planning Matrix.[1]

WBS Level	WBS Hierarchy	Logic	Schedule	Scope	Cost	Work Authorization
1	Site					
2	TWRS	Level 0	Site Summary Schedule	MYWP		PAD
3	PBS		PMBS			OD
4	Facilities					
5	Functions					
6	Cost Account	Level 1		UAS**		Sub-OD
7	Work Package			TBR	CACN	Work Authorization
8	Task	Level 2	Detail Schedule	CEIS	Field Work Packages	Field Work Packages
9 ↓	Sub-Task	Field Working Level 3	Field Working Level Schedules	Field Work Packages	Field Work Packages	Field Work Packages

*Line Item Projects and Salt Well Pumping can plan Logic/Schedule/Scope/Cost to Level 11 of WBS to allow visibility of discrete tasks. See alternate matrix.

**Proposed implementation after the FY 2001 PBS submittal.

The U.S. Department of Energy, Richland Operations Office (RL), LMHC, and the ORP have begun discussions leading to withdrawing LMHC's subcontract from the Project Hanford Management Contract (PHMC) and assigning it to the DOE, managed by the ORP. This will create a direct contractual relationship between LMHC and DOE that will optimize RPP integration. The transition process is expected to be complete by October 1, 1999.

[1] TWRS, used in Figure 1, is now called the River Protection Project (RPP).

1.3 Significant Changes From Previous Years

The following significant changes have been made in the MYWP from previous years:

The major change in the MYWP from previous years is in the delivery format. For FY 2000 the MYWP need not be published as a hard-copy document. Instead, the MYWP will be available via desktop application for all Hanford Local Area Network (HLAN) (the Hanford Site computer network) users. Significant emphasis is being placed on source-system feeds of data housed in appropriate systems. See Appendix C for instructions on accessing the electronic MYWP.

- The Technical Basis Review (TBR), which forms the basis for the detail planning of the baseline, is available in a central storage location and maintained under strict configuration management. To facilitate their review, MYWP reviewers will be given access to this system. See Appendix D for access instructions.

Each mission area (RPP, Spent Nuclear Fuels, etc.) will prepare a Site Summary Schedule (SSS) which will form the basis of the SSS for the entire Hanford Site. The SSS is a high-level graphic depiction of the life cycle of the Hanford Site that displays major projects' activities and their key interfaces. It includes selected enforceable agreement milestones, end-point targets, Defense Nuclear Facility Safety Board commitments and Hanford Site Critical Closure Path milestones. Preparation of the SSS will contribute to satisfying the requirement that the MYWPs be aligned with each other and with the Integrated Site Baseline (ISB). The technical, schedule, and cost baselines that make up the ISB are the standards against which progress is measured.

1.4 Major Assumptions

The following major assumptions were used in preparing the FY 2000 MYWP.

- The FY 2000 Budget Authority (B/A) baseline and cost estimate baseline must be built to correlate with the President's Budget Submittal to Congress, which allocates $335 million to the RPP.

For FY 2001 through 2006, the RPP shall assume funding consistent with the April 15, 1999, Project Priority List Compliance Funding Level, shown in Table 1.

Table 1. Project Priority List Compliance Funding Level (April 15, 1999)

Fiscal Year	Funding ($) (K)
2001	446,129
2002	436,998*
2003	434,719*
2004	447,123*
2005	442,846*
2006	339,755*

*As a result of incremental scope associated with the extended order quantities, ILAW/IHLW failed melters and sample transport design and construction, modifying/updating tank farm piping systems and infrastructure, the funding requirements have exceeded the target levels as listed above.

For the years beyond FY 2006, the RPP shall assume the compliance case plus any additional necessary requirements.

- RPP planning will incorporate and integrate all contractor requirements.
- Waste retrieval activities will be initiated consistent with the following start-up dates:
  - Start of pretreatment by April 2006
  - Start of high-level waste vitrification by February 2007
  - Start of low-activity waste vitrification by January 2008.

1.5 Significant Work Scope Changes From Last Year

Significant changes in work scope for FY 2000 are as follows:

- Consistent with the Level 0 Logic, operation and maintenance of the tank farms and program management support efforts have been extended from FY 2024 to FY 2034.
- Operation of the 242-A Evaporator has been added to the baseline.
- Equipment and systems to retrieve nine additional tanks for extended-order quantity feed requirements has been added (Projects W521, 522, and 523).
- Additional trade studies that will provide data in support of current tank retrieval strategy are included.

- Work scope to modify or update tank farm piping systems and infrastructure (Project W-314, Facility Walkdowns, Tank Farm Spare Equipment, etc.) has been added.

- New scope for design and construction of immobilized low-activity waste and immobilized high-level waste failed melters and sample transport has been added.

- Additional characterization sampling for retrieval has been added.

- Work scope to effect the acceleration of Phase 2 waste retrieval from single-shell tanks is included.

1.6 Significant Issues

The following significant issues are associated with the FY 2000 MYWP.

- The target funding levels for FY 2002 – FY 2006 were not achievable due to increased work scope that was added to the baseline. The FY 2001 funding requirements meet the target funding guidance of $446M, but exceed the Congressional target funding of $382M. Constraining the schedule to $382M would impact the scheduled Privatization start-up dates.

- This MYWP defers the development and testing of alternative single-shell tank waste retrieval and heel removal techniques (Hanford Tank Initiative).

- This MYWP defers development of the balance of mission single-shell tank waste retrieval and closure of the Tank Farm Facility and defers the development of a technical basis from which to negotiate changes to the 2018 milestone date specified in the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) (Ecology et al. 1996) to remove waste from single-shell tanks.

- This MYWP extends the Final Safety Analysis Report (FSAR) Phase 2 Implementation across FYs 2000 and 2001 instead of scheduling completion for FY 2000. FSAR Phase 2 implementation will continue to operate under Basis of Interim Operations until implementation complete.

- This MYWP does not include increased contract support (Waste Integration Team) needed to validate the August 2000 privatization go-ahead with BNFL Inc.

1.7 The Technical Basis Review Process

The TBR process is an integral part of the integrated planning process. After the physical configuration and operational requirements have been defined in the technical baseline, the work breakdown structure (WBS), work definition, and Level 0 and Level 1 logics are developed. The TBR process provides for development of the lower levels of the

WBS and the lower levels of the schedule logic. The process documents the description, requirements, and enabling assumptions for the Level 2 and lower technical work scope using the TBR narrative format. The detailed schedule is resource loaded and documented using the cost estimating input sheet (CEIS) format. Data derived from the TBR process feed the Risk Management process. The final product of the TBR process is a resource-loaded schedule that, when priced by the scheduling software, produces the scope, schedule, and supporting cost estimates that constitute the project life-cycle baseline. This schedule serves as the basis for developing the MYWP and reporting execution-year performance.

The TBR is an effective tool for developing proposals, estimates, and budgets; and preserving the supporting data for such deliverable documents. The TBR is based on cost estimates that incorporate the following:

- Use of standardized estimating techniques using the activity-based cost (ABC) estimating method in accordance with applicable requirements
- Reductions of time and resources needed to validate or revise estimates
- Use of meaningful cost data to increase the accuracy of cost estimates
- Identification of resource requirements for the base or minimum safe operating condition
- Use of summarized program management information to support the budget and change order process
- Reduction of the number of tracking elements and development of the appropriate performance measures for the financial and program management systems.

2.0 MISSION STATEMENTS

2.1 EM Mission Statement

Hanford's environmental management, or cleanup, mission is to protect the health and safety of the public, workers, and the environment; control hazardous materials; and utilize the assets (people, infrastructure, site) for other missions.

2.2 Hanford Mission Statement

Hanford's missions are to safely clean up and manage the site's legacy wastes, and to develop and deploy science and technology.

2.3 Office of River Protection Mission Statement

The Office of River Protection's mission is to store, treat, immobilize and dispose of the highly radioactive Hanford Site tank waste (including current and future tank waste and the cesium and strontium capsules) in an environmentally sound, safe, and cost-effective manner.

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3.0 PROGRAMMATIC BACKGROUND

The Hanford Site was established in 1943 as part of the Manhattan Project. At that time, the Site's mission was to produce plutonium for use in nuclear weapons. Over the years, nine nuclear reactors and two large areas containing several nuclear chemical processing complexes were built. The chemical processing operations produced large quantities of highly radioactive waste. These waste materials were stored in many large underground tanks. Today, more than 204,412 kL (54,000,000 gal) of high-level radioactive waste are stored in 177 underground tanks.

3.1 POLICY AND PLANNING EVALUATION

As the Hanford Site evolved and additional waste storage space was needed, additional waste tanks were built. In the 1950's and 1960's, DOE recognized that more needed to be done to secure the waste, particularly because some of the tanks were confirmed to be leaking. Little else actually was done about waste disposal because of limited budgets.

In the 1970's, the pace of planning and development for safe waste storage and disposal increased. Several formal studies of waste disposal alternatives were conducted. Research, development, and demonstration of waste treatment processes, including vitrification, were completed. Much of this work was done at the Hanford Site.

In the early 1980's, Congress requested that DOE plan for the disposal of the high-level waste that had accumulated from the DOE's nuclear activities. In response to this request, in 1983, DOE issued the *Defense Waste Management Plan* (DOE 1983). In it, DOE proposed the strategy of retrieving the waste from storage tanks and treating it to make it suitable for disposal.

Because waste retrieval and immobilization facilities costing billions of dollars would be needed, and because similar facilities had not been built before, DOE selected a sequential approach to facility design and construction. Facilities to treat the waste at DOE's Savannah River Site in South Carolina would be constructed first. After processing was successfully demonstrated, facilities would be built at the DOE's Hanford Site in Washington State, followed by facilities at DOE's site in Idaho. Waste immobilization facilities began operating at the Savannah River Site in 1996. Therefore, proceeding with waste retrieval and immobilization facilities at the Hanford Site is the next logical step in this planning progression.

In 1987, the *Hanford Defense Waste Environmental Impact Statement* (DOE 1987) was issued, which laid out a strategy for addressing the Hanford Site tank waste. Waste from the double-shell tanks would be retrieved. The highly radioactive fraction would be immobilized in glass (vitrified), and the low-activity waste would be solidified in cement (grout) for disposal on the Hanford Site. Further studies would be done on the single-

shell tanks to determine appropriate actions. This strategy was the basis for the Tri-Party Agreement (Ecology et al. 1996). The original version of the Tri-Party Agreement was signed by the Washington State Department of Ecology (Ecology), the U.S. Environmental Protection Agency, and DOE in 1989 (Ecology et al. 1989).

After the Environmental Impact Statement was issued, a TWRS mission analysis was performed to provide the basis for a technical approach responsive to the disposal option selected in the Record of Decision. This technical approach includes a summary description of the problem; the system boundaries, the environment and its interfaces, mission goals, top-level mission-driven requirements; and technical and program-management strategies for project success. The mission analysis also fostered development of a systematic approach to programmatic decision-making wherein consideration of project assumptions, risks, benefits, and life-cycle costs are balanced with established stakeholder values.

3.2 WASTE TANK SAFETY ISSUES

In early 1990, issues regarding the waste in the tanks were identified that appeared to pose unacceptable risks if waste continued in storage without corrective actions. Technical and financial resources were directed toward resolving these issues. The DOE considered the requirements of the *Resource Conservation and Recovery Act of 1976* and the *Nuclear Waste Policy Act of 1982* and decided to include retrieval and treatment of single-shell tank waste in the planning for the waste disposal program. This fourfold increase in waste volume to be treated, along with additional concerns about using an old facility (B Plant) for waste pretreatment and concerns about using the proposed grout form for low-activity waste disposal, caused a reevaluation of the strategy.

In December 1991, the Secretary of Energy directed that TWRS be established to plan and implement the disposal of all Hanford Site tank waste. A systems approach was used to evaluate various alternatives. These studies were used to renegotiate the Tri-Party Agreement. A strategy was developed and negotiated and the revised Tri-Party Agreement was signed in January 1994 (Ecology et al. 1994). The strategy envisioned the following:

- Retrieval of all waste from single-shell and double-shell tanks
- Separation of the waste into high-level activity and low-activity fractions
- Immobilization of the low-activity fraction in glass or other suitable form that would reduce volume and meet long-term disposal requirements
- Vitrification of the high-level waste for disposal in a federal repository.

The revised agreement also established an enforceable milestone schedule with established objectives. The milestone schedule is used to assess progress toward completion of these actions.

In 1994, national concern about balancing the federal budget became a more significant issue. The DOE believed that a new approach was needed for funding and managing the construction and operation of the multi-billion dollar facilities needed for waste treatment. After considering experience and input from industry, the DOE decided on a "privatization" approach to accomplish tank waste treatment and immobilization at the Hanford Site.

As it is being used for the ORP, privatization is a fixed-price contracting method for providing waste treatment services. The DOE will award competitively bid contracts under which the contractor will design, build, and operate immobilization facilities.

The privatization project is divided into two phases, primarily to reduce the scale-up risk and successfully demonstrate that all parties can support the activities before making a huge capital investment. A plant with the capacity to process all the waste in a reasonable time will be several times larger than anything built so far, so a demonstration phase is appropriate. This reduces the private contractors' technical risk and proves their ability to successfully provide process waste containing the hazardous material. Following Phase 1B, more capacity can be added as required.

3.3 ENVIRONMENTAL IMPACT STATEMENT

As part of the *National Environmental Policy Act of 1969* (NEPA) process, DOE must submit it's strategy and decisions for public review. An environmental impact statement (EIS) was prepared that describes the magnitude of the problem, the possible implications of continued no actions, and the alternatives that have been considered to resolve the problem (DOE EIS-0189 1996).

3.3.1 Alternatives Considered in the Environmental Impact Statement

Many potential alternatives and combinations of alternatives exist for treating and disposing of the tank waste. One of the challenges facing DOE and Ecology is to develop a range of reasonable alternatives for detailed analysis and presentation in the EIS. The alternatives presented in the EIS were chosen as representative of the many possible variations of the alternatives. The EIS contains an analysis of the full range of reasonable alternatives for managing and disposing of the tank waste. The continued safe management of the tank farms is included in all the alternatives. The tank waste alternatives can be grouped into the following four major categories, determined by the extent of waste retrieval.

- **Continued management alternatives.** (Waste would not be retrieved.) Two continued management alternatives were analyzed. One did not include replacing double-shell tanks; the other considered replacing double-shell tanks and upgrading tank farm waste transfer systems to provide long-term management of the double-shell tank liquids.

- **Minimal retrieval alternatives.** Only liquid waste would be removed from the double-shell tanks and concentrated in an evaporator. The concentrated waste from the evaporator would be returned to the tanks. The solid waste would be disposed of in place in the tanks; this process is called "in situ disposal." Two in situ alternatives were analyzed. One did not include treating the waste; the other included in-tank waste treatment.

- **Partial retrieval alternatives.** The tank waste resulting in the fewest potential environmental impacts would be disposed of in situ. The liquid waste and the portion of solid waste that would have the greatest potential long-term impact on the groundwater would be retrieved from the tanks. The retrieved waste would be immobilized and disposed of outside the tanks; "ex situ disposal." The retrieved portion of the waste would be separated by physical and chemical processing into low-activity and high-level waste. The low-activity waste would be immobilized and disposed of on Site in near-surface concrete vaults and covered with a thick earthen barrier. The high-level waste would be immobilized and stored on Site for eventual shipment to and disposal at a potential geologic repository. Two partial retrieval alternatives were analyzed. One would result in a reduced long-term risk to human health of approximately 90 percent; the other would reduce the risk by 85 percent. These alternatives provide less long-term protection of human health, but would cost less to implement.

- **Extensive retrieval alternatives.** All the solid and liquid waste practicable (assumed for purposes of analysis to be 99 percent) would be retrieved and separated by physical and chemical processing into low-activity and high-level waste. The low-activity waste would be immobilized and disposed of on Site in near-surface vaults and covered with a thick earthen barrier. The high-level waste would be immobilized and stored on Site for eventual shipment to and disposal at a geologic repository. Three extensive retrieval alternatives were analyzed, each with a different level of waste separation. A fourth alternative was analyzed to present the potential effect of DOE choosing to implement an extensive retrieval alternative in phases rather than immediately implementing a full-scale program. This phased approach was analyzed because of the numerous uncertainties associated with the extensive retrieval alternatives.

3.3.2 Alternative Selected

DOE selected the alternative of using a phased approach to extensive retrieval. The alternative will be implemented by hiring a privatization contractor to balance the risk inherent in making sizeable investments in unproven technology. The rational for this choice is that investment in facilities should proceed on a schedule commensurate with the development of the scientific knowledge and understanding.

3.4 The TWRS (RPP) MISSION ANALYSIS

The TWRS Mission Analysis (Acree 1996) was issued to assist in establishing systematic engineering and project-management approaches. It provides a conceptual framework for implementing the TWRS *Justification of Mission Need* (DOE 1993) and satisfying the Environmental Impact Statement.

The Mission Analysis states that the purpose of the 'TWRS Program' is to resolve tank safety issues, integrate the waste-disposal and waste-management missions, assess bases for tank-waste management and disposal, determine and develop technology needs, and ensure the availability of appropriate resources for establishing a dedicated organization to meet the technical challenges. The problem generally is described as remediation of existing waste to mitigate risks posed to the public, workers, and the environment.

The system boundary and environment descriptions include existing and future tank waste, facilities, and anticipated closure expectations. Interfaces include physical and programmatic descriptions of waste and material receipts from both onsite and offsite sources, as well as those internal and external interfaces identifying information about costs, schedules, processing status, reporting, control and associated regulations, guidance, and authorizations.

The mission-level requirements are represented as high-level quantification of the stakeholder values and mission objectives. These requirements are accomplished through implementing the 'Program Strategy' (consisting of two additional sub-strategies–the Technical Strategy and the Program Management Strategy), and an 'Acquisition Strategy'. The Technical Strategy addresses the concerns of tank-farm operations and safety issues, waste-immobilization and storage requirements, and dispositioning of capsules and transuranic waste. The Program Management Strategy describes the need to integrate the sundry project activities, operations, and technology development, using a systems engineering approach. The Acquisition Strategy discusses the combination approach using privately owned and government-owned contractor-operated resources in a two-phased acquisition strategy.

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4.0 RISK SHARING STRATEGY

DOE's approach for RPP privatization, both technically and contractually, has evolved considerably to accommodate information gained during and after the first 2 years of the project. These modifications in approach have been coordinated with DOE's Contract Reform and Privatization Project Office, which is using the experience on RPP to refine its overall approach to privatization of cleanup projects.

In designing and implementing the path forward for RPP, DOE is establishing a contract structure that provides strong incentives to achieve project schedule, cost, and performance goals while minimizing total project cost to the government. Thus, DOE is seeking to structure an optimal contracting approach for Privatization Phase 1 that will accomplish the following:

- Allocate risks to the party best able and motivated to manage them
- Obtain the best mix of private and public financing
- Maintain appropriate decision points to adjust project direction in response to new information and bring competitive pressure to bear on project costs and approaches.

Together, these principles have guided DOE's negotiation for RPP privatization services and will continue to guide refinements as that strategy is implemented.

Privatization contracts differ significantly from traditional cost-reimbursement contracts in their allocation of risks between the government and the contractor. Under privatization, the contractor assumes a far greater share of the risks, particularly those under the contractor's control, such as technology performance and operating efficiency. Under the RPP contract, DOE has sought to allocate specific risks to the party most able to manage the risk and complete the work. DOE has evaluated a broad spectrum of risks that are potentially relevant to risk allocation decisions in privatization contracts. Accordingly, ORP has contracted with LMHC to perform tank farm operations and retrieval and disposal activities. It has contracted with BNFL Inc. to perform waste treatment and vitrification services.

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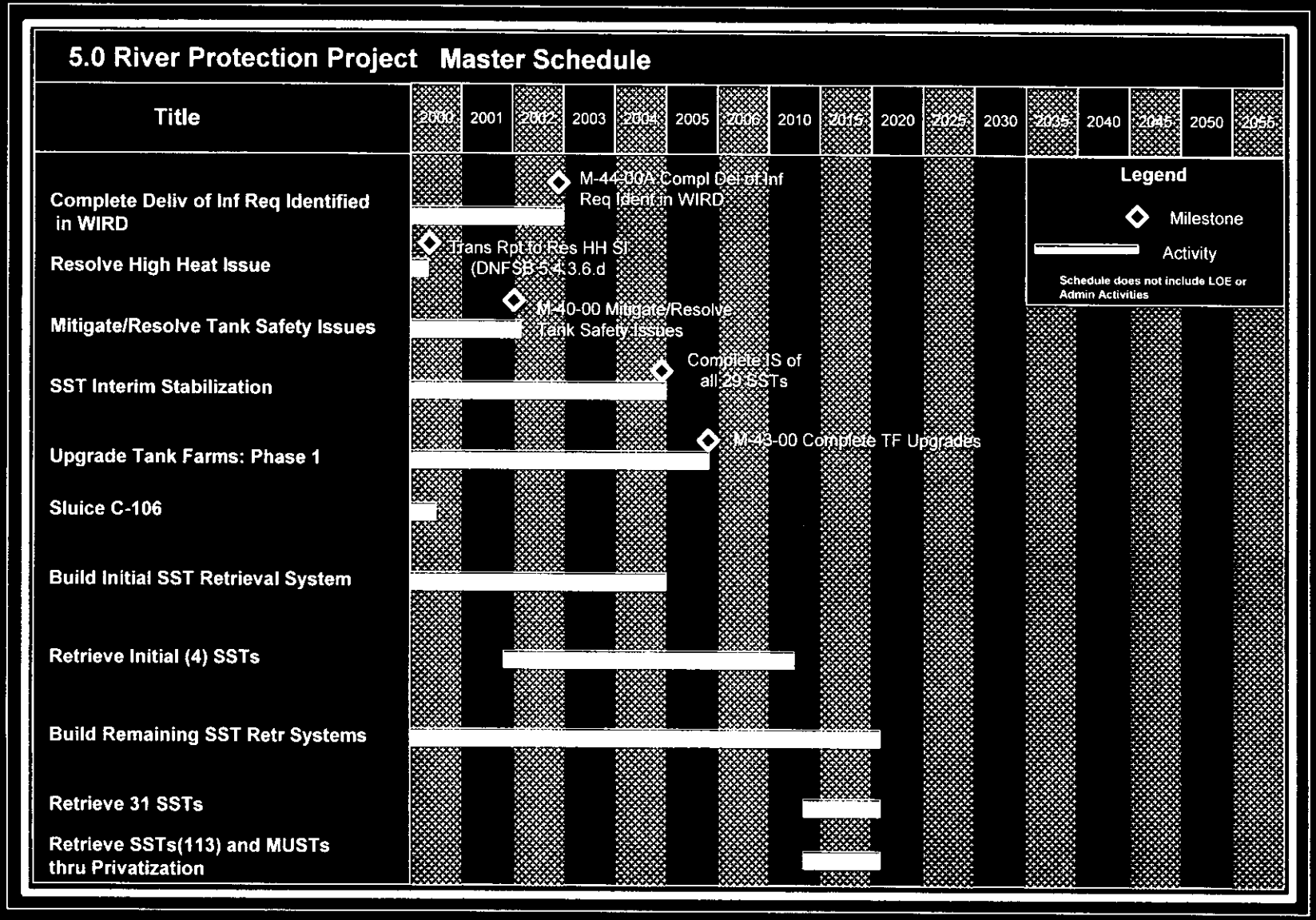
5.0 RIVER PROTECTION PROJECT MASTER SCHEDULE


5.0 River Protection Project Master Schedule
Title
2000
2001
2002
2003
2004
2005
2006
2010
2015
2020
2025
2030
2035
2040
2045
2050
2056
Complete Deliv of Inf Req Identified in WIRD
Resolve High Heat Issue
Mitigate/Resolve Tank Safety Issues
SST Interim Stabilization
Upgrade Tank Farms: Phase 1
Sluice C-106
Build Initial SST Retrieval System
Retrieve Initial (4) SSTs
Build Remaining SST Retr Systems
Retrieve 31 SSTs
Retrieve SSTs(113) and MUSTs thru Privatization
M-44-00A Compl Del of Inf Req Ident in WIRD
Trans Rpt to Res HH SI (DNFSB 5.4.3.6.d
M-40-00 Mitigate/Resolve Tank Safety Issues
Complete IS of all 29 SSTs
M-43-00 Complete TF Upgrades
Legend
Milestone
Activity
Schedule does not include LOE or Admin Activities

5.0 River Protection Project Master Schedule
Title
2000
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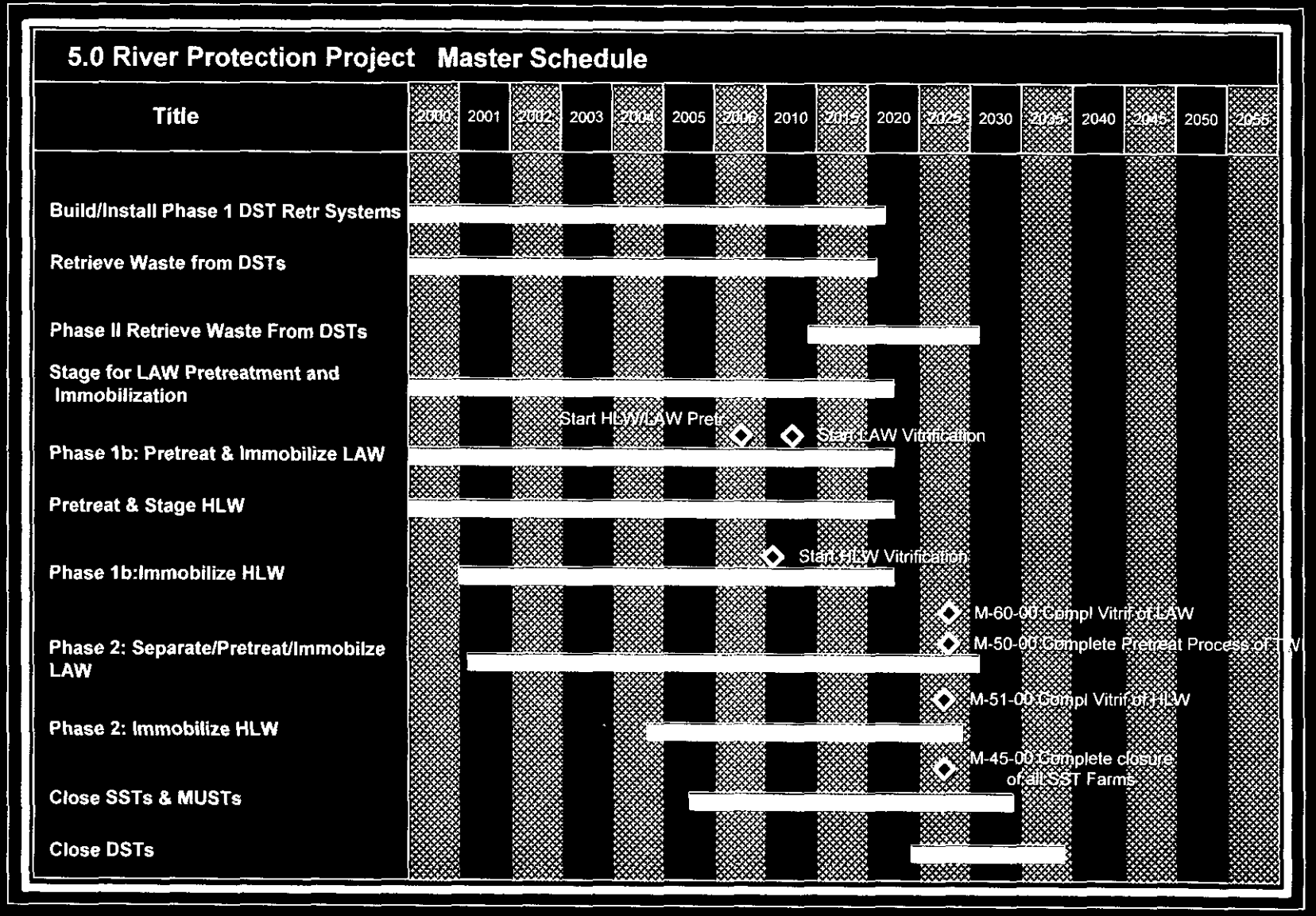
2055
Provide Phase 1 Infrastructure
Provide Phase 2 Infrastructure
Construct Interim IHLW Storage Facility
Interim Store IHLW
Ship IHLW
Construct ILAW Interim Stor/Disp Facility
Store/Dispose ILAW
Const Future ILAW Disp & IHLW Interim Storage Facilities
Interim Store Phase 2 IHLW
Dispose Phase 2 ILAW
M-90-00-Comp Facilities Waste Stroage/Disposal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Title
2000
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2045
2050
2055
Build/Install Phase 1 DST Retr Systems
Retrieve Waste from DSTs
Phase II Retrieve Waste From DSTs
Stage for LAW Pretreatment and Immobilization
Start HLW/LAW Pretr
Start LAW Vitrification
Phase 1b: Pretreat & Immobilize LAW
Pretreat & Stage HLW
Start HLW Vitrification
Phase 1b:Immobilize HLW
M-60-00 Compl Vitrif of LAW
M-50-00 Complete Pretreat Process of HLW
Phase 2: Separate/Pretreat/Immobilze LAW
M-51-00 Compl Vitrif of HLW
Phase 2: Immobilize HLW
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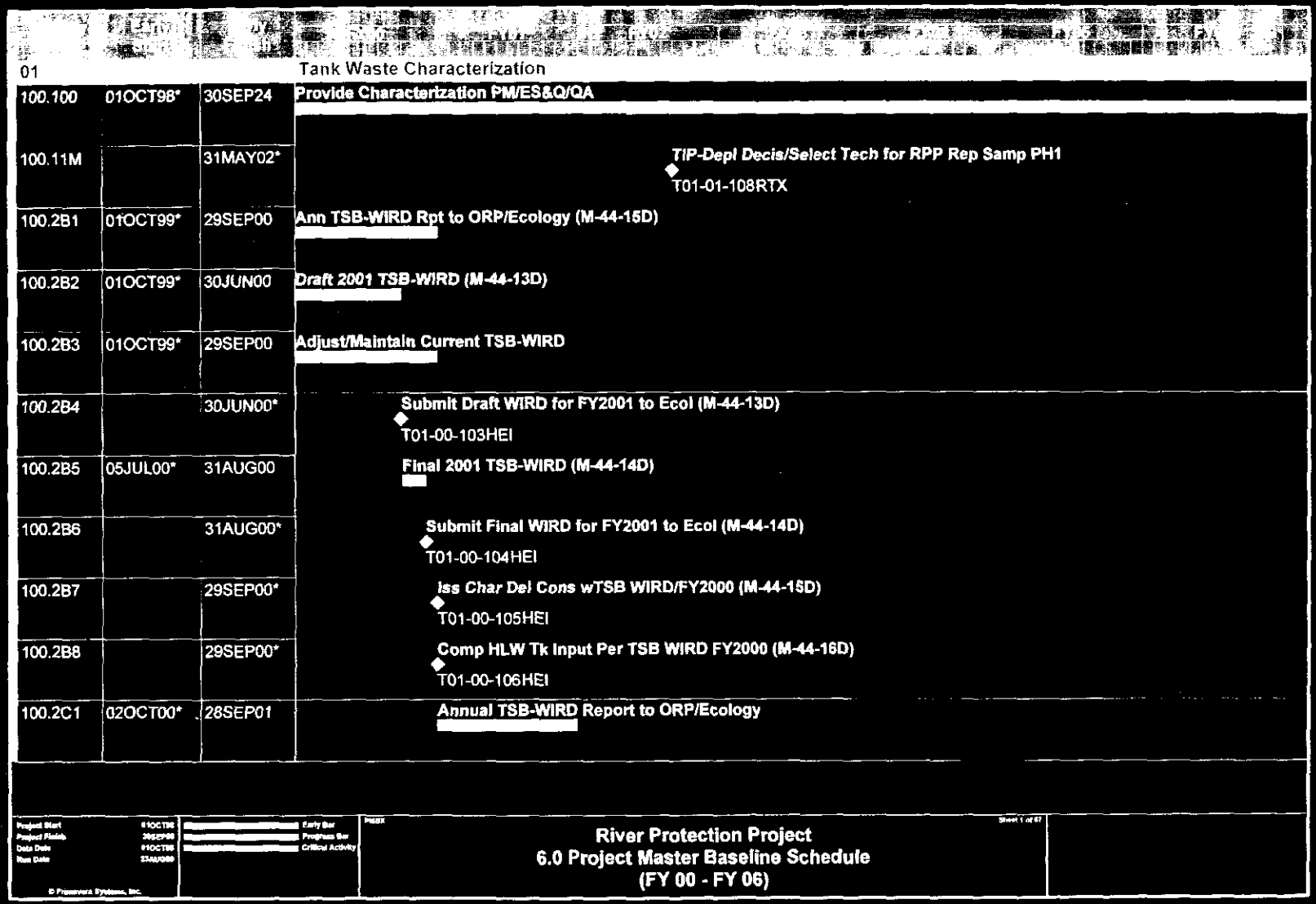
Close SSTs & MUSTs
Close DSTs

6.0 PROJECT MASTER BASELINE SCHEDULE (FY 2000 to 2006)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T01-01-108RTX
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Run Date
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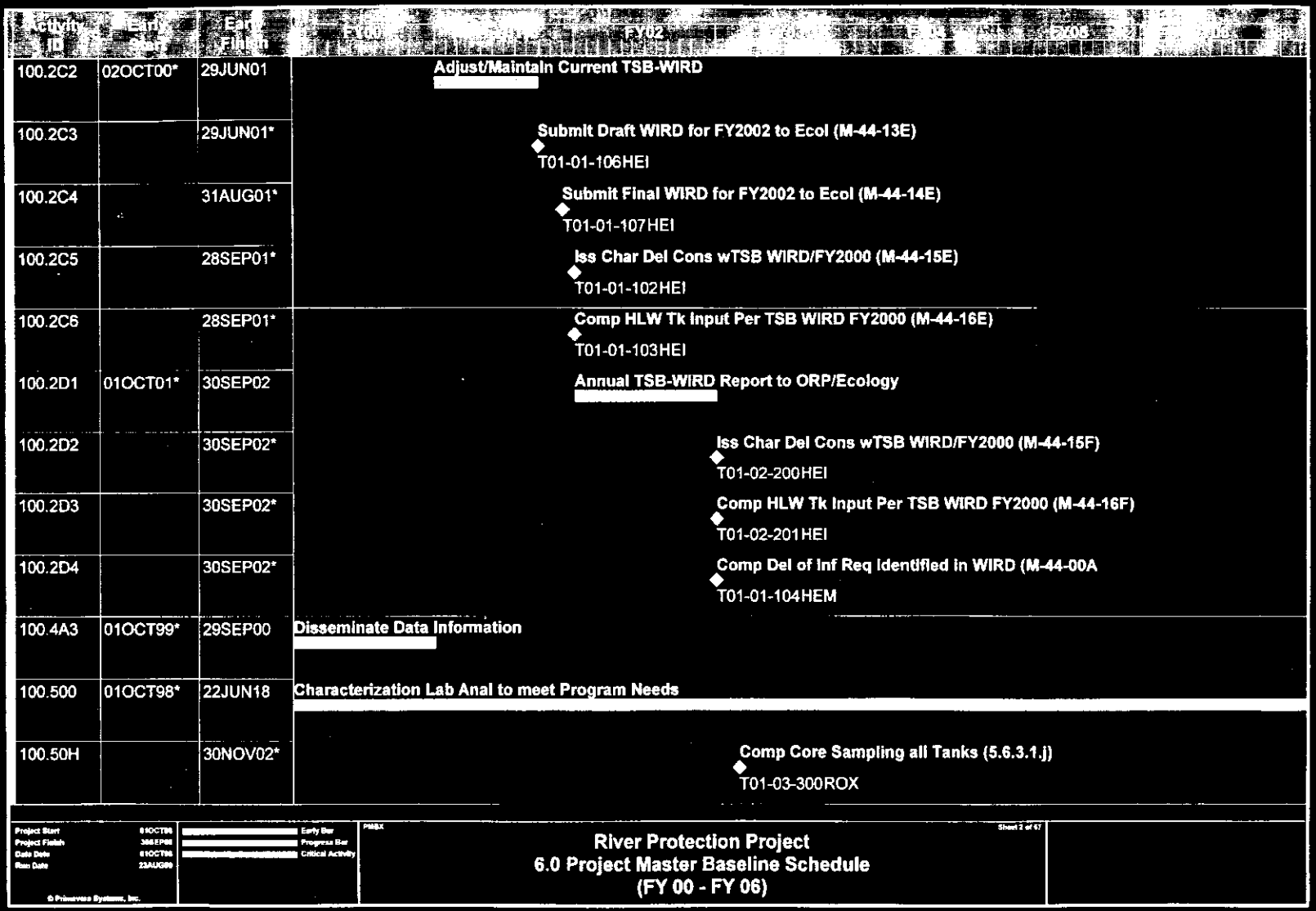
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)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Early Finish
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FY02
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T01-01-106HEI
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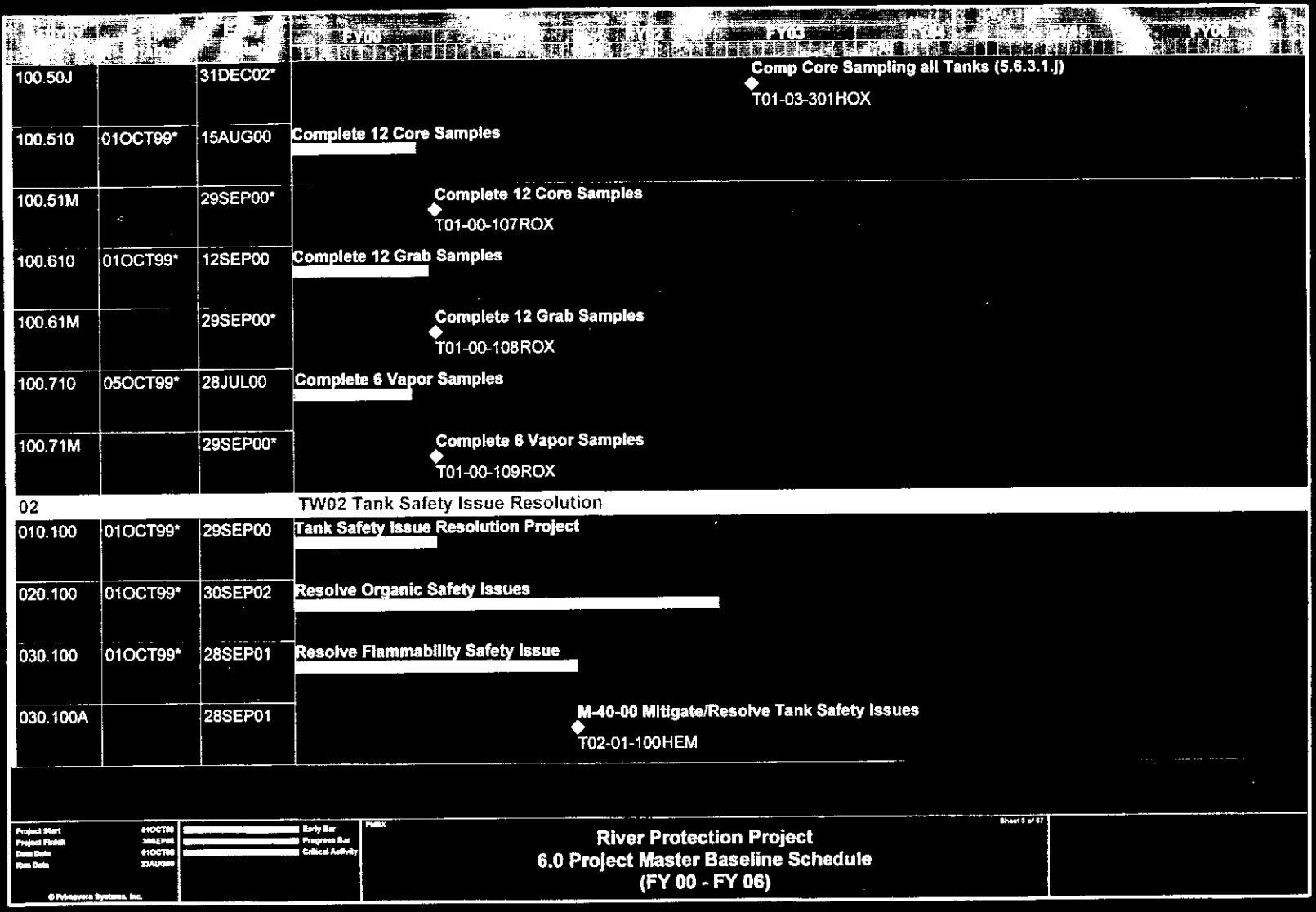
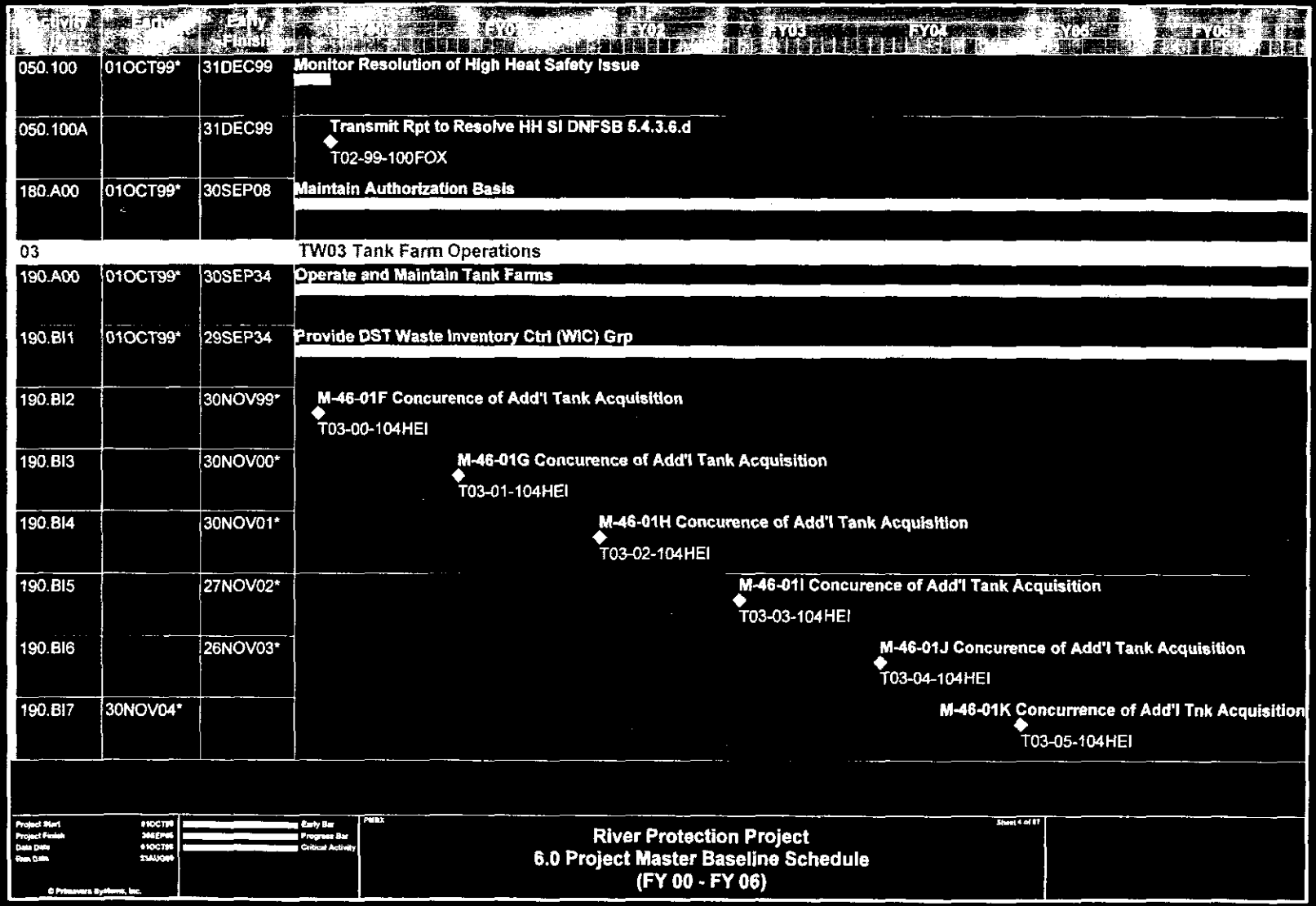
100.2D2 30SEP02* Iss Char Del Cons wTSB WIRD/FY2000 (M-44-15F)
T01-02-200HEI
100.2D3 30SEP02* Comp HLW Tk Input Per TSB WIRD FY2000 (M-44-16F)
T01-02-201HEI
100.2D4 30SEP02* Comp Del of Inf Req Identified in WIRD (M-44-00A
T01-01-104HEM
100.4A3 01OCT99* 29SEP00 Disseminate Data Information
100.500 01OCT98* 22JUN18 Characterization Lab Anal to meet Program Needs
100.50H 30NOV02* Comp Core Sampling all Tanks (5.6.3.1.j)
T01-03-300ROX
Project Start 01OCT98
Project Finish 30SEP06
Data Date 01OCT98
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
PMBX
Sheet 2 of 67
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY00
FY01
FY02
FY03
FY04
FY05
100.50J 31DEC02* Comp Core Sampling all Tanks (5.6.3.1.J)
T01-03-301HOX
100.510 01OCT99* 15AUG00 Complete 12 Core Samples
100.51M 29SEP00* Complete 12 Core Samples
T01-00-107ROX
100.610 01OCT99* 12SEP00 Complete 12 Grab Samples
100.61M 29SEP00* Complete 12 Grab Samples
T01-00-108ROX
100.710 05OCT99* 28JUL00 Complete 6 Vapor Samples
100.71M 29SEP00* Complete 6 Vapor Samples
T01-00-109ROX
02 TW02 Tank Safety Issue Resolution
010.100 01OCT99* 29SEP00 Tank Safety Issue Resolution Project
020.100 01OCT99* 30SEP02 Resolve Organic Safety Issues
030.100 01OCT99* 28SEP01 Resolve Flammability Safety Issue
030.100A 28SEP01 M-40-00 Mitigate/Resolve Tank Safety Issues
T02-01-100HEM
Project Start 01OCT99
Project Finish 30SEP05
Data Date 01OCT99
Print Date 23AUG99
Early Bar
Progress Bar
Critical Activity
Phillx
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


Activity ID
Early Start
Early Finish
FY00
FY01
FY02
FY03
FY04
FY05
FY06
050.100
01OCT99*
31DEC99
Monitor Resolution of High Heat Safety Issue
050.100A
31DEC99
Transmit Rpt to Resolve HH SI DNFSB 5.4.3.6.d
T02-99-100FOX
180.A00
01OCT99*
30SEP08
Maintain Authorization Basis
03
TW03 Tank Farm Operations
190.A00
01OCT99*
30SEP34
Operate and Maintain Tank Farms
190.BI1
01OCT99*
29SEP34
Provide DST Waste Inventory Ctrl (WIC) Grp
190.BI2
30NOV99*
M-46-01F Concurence of Add'l Tank Acquisition
T03-00-104HEI
190.BI3
30NOV00*
M-46-01G Concurence of Add'l Tank Acquisition
T03-01-104HEI
190.BI4
30NOV01*
M-46-01H Concurence of Add'l Tank Acquisition
T03-02-104HEI
190.BI5
27NOV02*
M-46-01I Concurence of Add'l Tank Acquisition
T03-03-104HEI
190.BI6
26NOV03*
M-46-01J Concurence of Add'l Tank Acquisition
T03-04-104HEI
190.BI7
30NOV04*
M-46-01K Concurrence of Add'l Tnk Acquisition
T03-05-104HEI
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
PMBX
Sheet 4 of 87
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)
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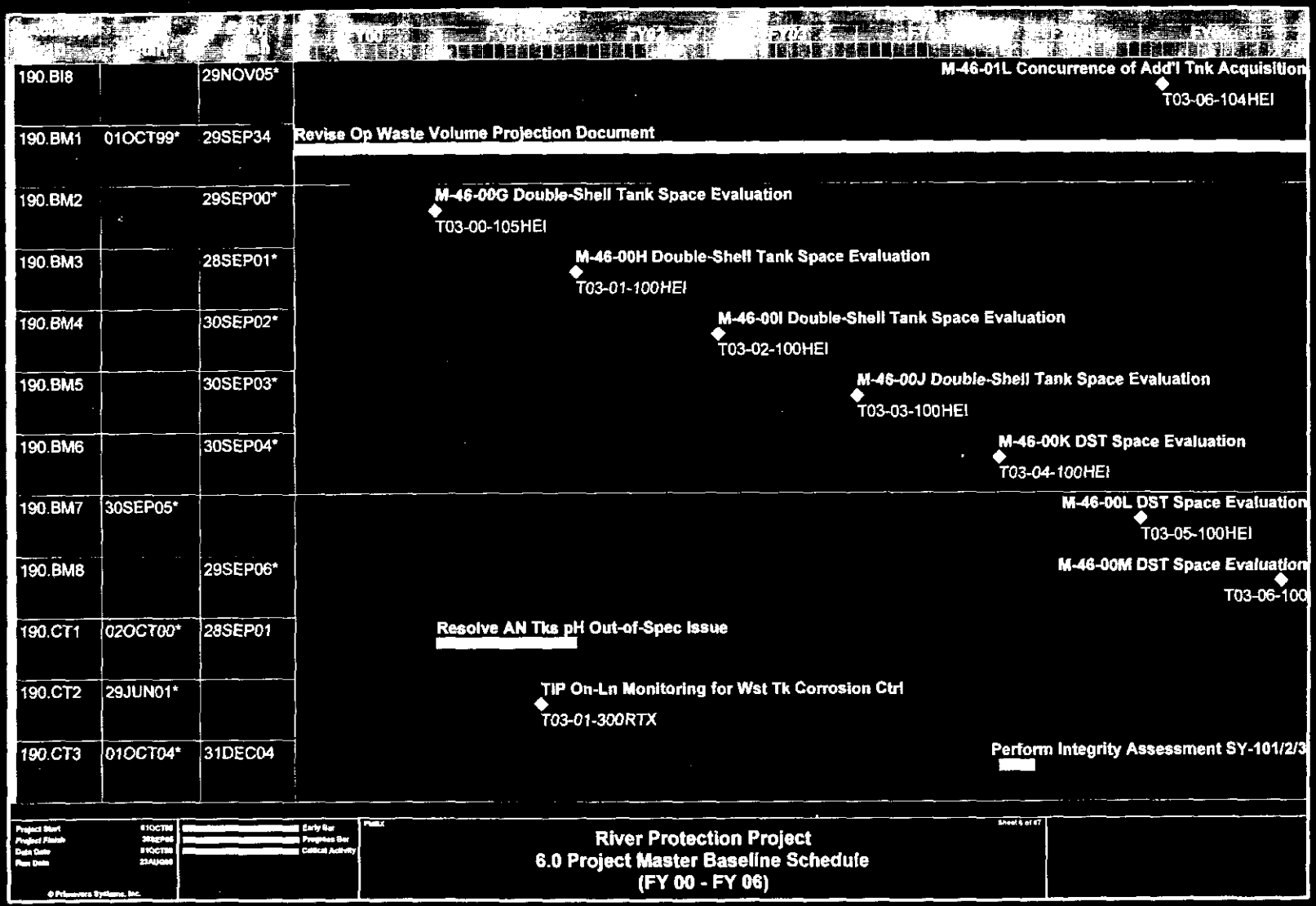
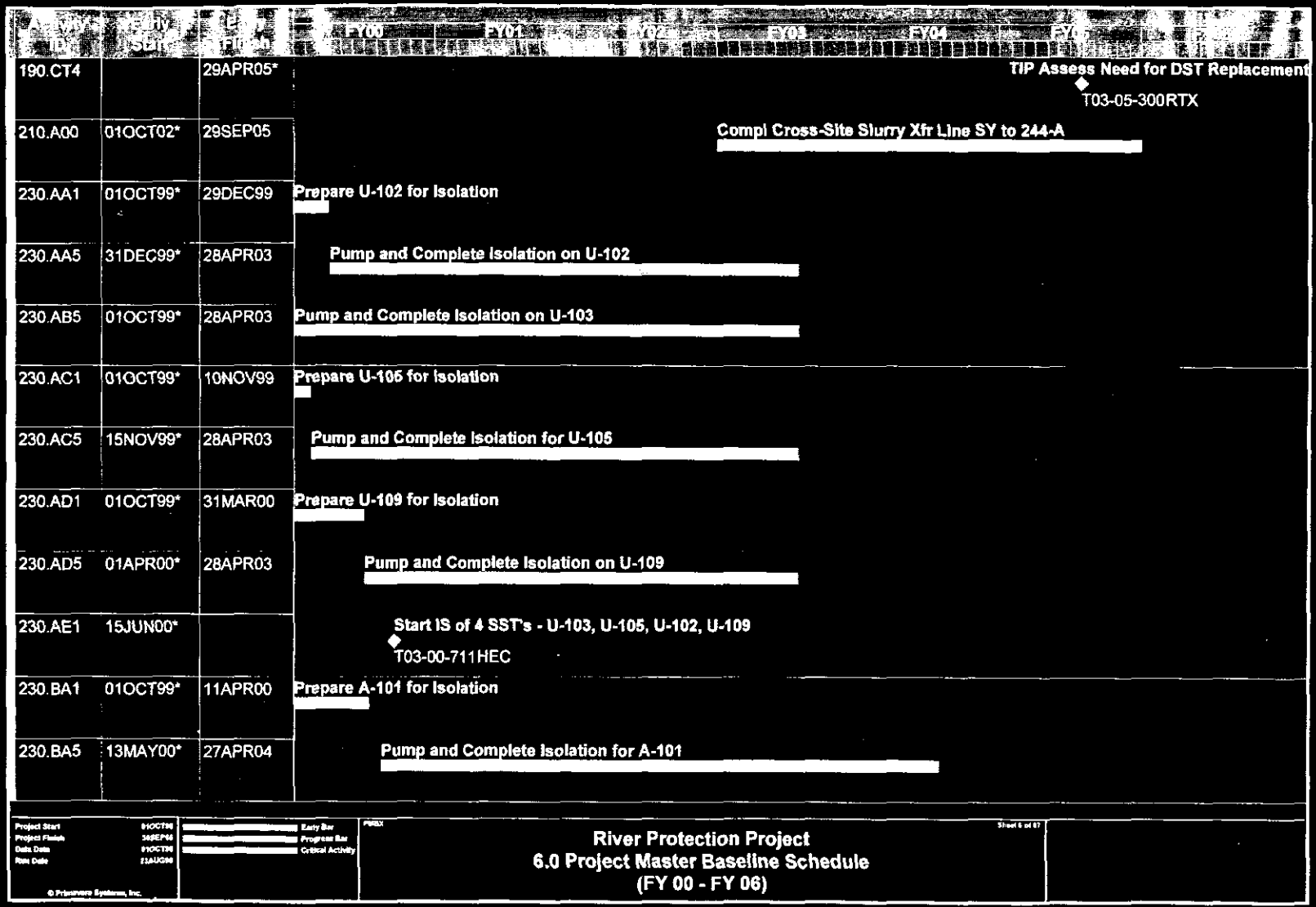

190.BI8 29NOV05*
M-46-01L Concurrence of Add'l Tnk Acquisition
T03-06-104HEI
190.BM1 01OCT99* 29SEP34
Revise Op Waste Volume Projection Document
190.BM2 29SEP00*
M-46-00G Double-Shell Tank Space Evaluation
T03-00-105HEI
190.BM3 28SEP01*
M-46-00H Double-Shell Tank Space Evaluation
T03-01-100HEI
190.BM4 30SEP02*
M-46-00I Double-Shell Tank Space Evaluation
T03-02-100HEI
190.BM5 30SEP03*
M-46-00J Double-Shell Tank Space Evaluation
T03-03-100HEI
190.BM6 30SEP04*
M-46-00K DST Space Evaluation
T03-04-100HEI
190.BM7 30SEP05*
M-46-00L DST Space Evaluation
T03-05-100HEI
190.BM8 29SEP06*
M-46-00M DST Space Evaluation
T03-06-100
190.CT1 02OCT00* 28SEP01
Resolve AN Tks pH Out-of-Spec Issue
190.CT2 29JUN01*
TIP On-Ln Monitoring for Wst Tk Corrosion Ctrl
T03-01-300RTX
190.CT3 01OCT04* 31DEC04
Perform Integrity Assessment SY-101/2/3
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY00
FY01
FY02
FY03
FY04
FY05
190.CT4 29APR05*
TIP Assess Need for DST Replacement
T03-05-300RTX
210.A00 01OCT02* 29SEP05
Compl Cross-Site Slurry Xfr Line SY to 244-A
230.AA1 01OCT99* 29DEC99
Prepare U-102 for Isolation
230.AA5 31DEC99* 28APR03
Pump and Complete Isolation on U-102
230.AB5 01OCT99* 28APR03
Pump and Complete Isolation on U-103
230.AC1 01OCT99* 10NOV99
Prepare U-105 for Isolation
230.AC5 15NOV99* 28APR03
Pump and Complete Isolation for U-105
230.AD1 01OCT99* 31MAR00
Prepare U-109 for Isolation
230.AD5 01APR00* 28APR03
Pump and Complete Isolation on U-109
230.AE1 15JUN00*
Start IS of 4 SST's - U-103, U-105, U-102, U-109
T03-00-711HEC
230.BA1 01OCT99* 11APR00
Prepare A-101 for Isolation
230.BA5 13MAY00* 27APR04
Pump and Complete Isolation for A-101
Project Start 01OCT99
Project Finish 30SEP05
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

230.BB1	04JAN00*	29JUN00	Prepare AX-101 for Isolation
230.BB5	10AUG00*	30SEP03	Pump and Complete Isolation for AX-101
230.BE1	30OCT00*		Start IS of 2 SST's - A-101, AX-101 ◆ T03-01-712HEC
230.CA1	28JAN00*	10NOV00	Prepare SX-101 for Isolation
230.CA5	11NOV00*	20DEC02	Pump and Complete Isolation for SX-101
230.CB1	03APR00*	30SEP00	Prepare SX-103 for Isolation
230.CB5	01OCT00*	09SEP03	Pump and Complete Isolation for SX-103
230.CC1	01OCT99*	26JUN00	Prepare SX-105 for Isolation
230.CC5	27JUN00*	02SEP03	Pump and Complete Isolation for SX-105
230.CD1	28FEB00*	28DEC00	Prepare U-106 for Isolation
230.CD5	29DEC00*	28APR03	Pump and Complete Isolation for U-106
230.CE1	15MAR01*		Start IS of 4 SST's, SX-105,SX-103,SX-101, U-106 ◆ T03-01-713HEC

Project Start 01OCT99 | Early Bar
Project Finish 30SEP06 | Progress Bar
Data Date 01OCT99 | Critical Activity
Run Date 23AUG99

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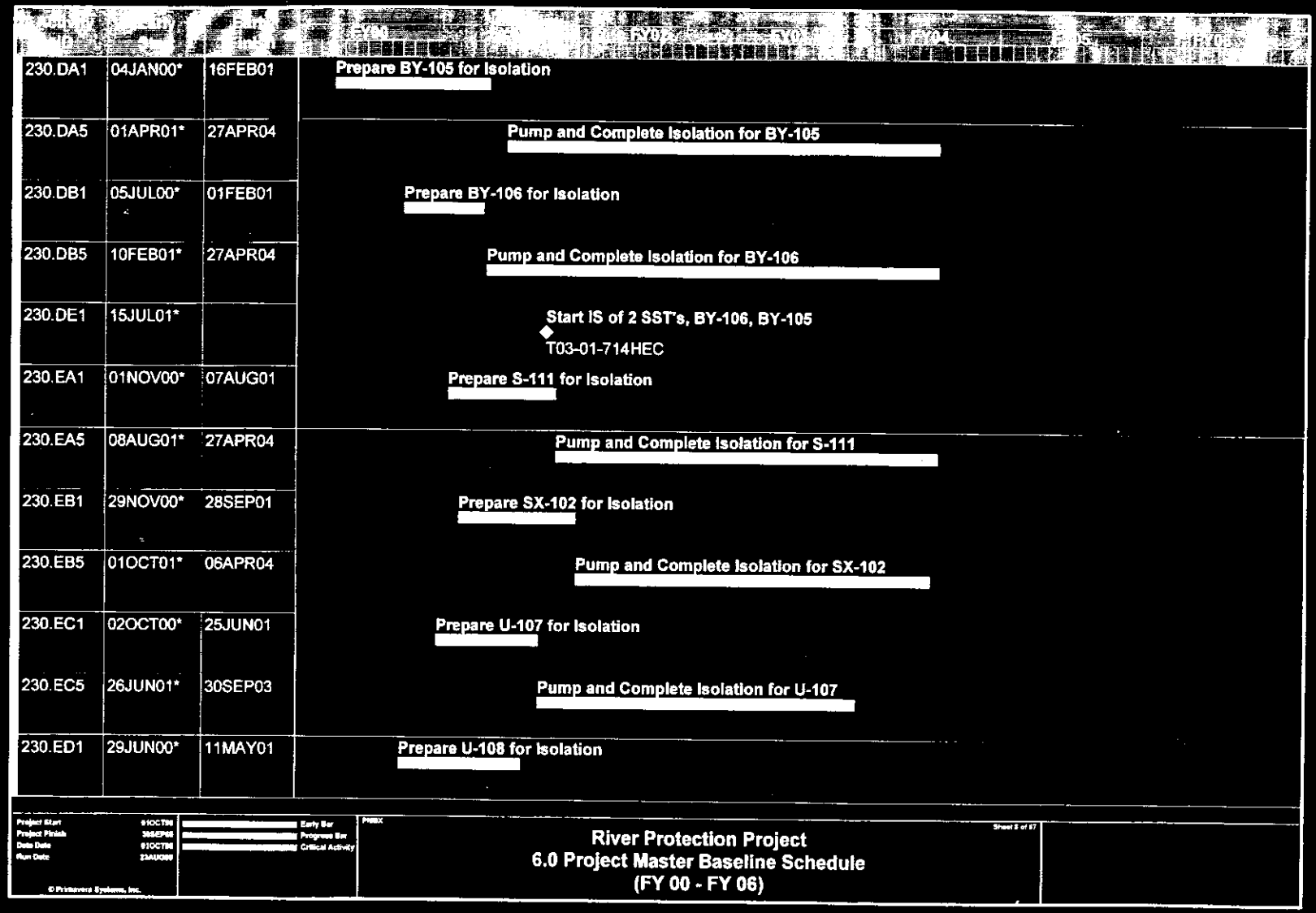
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


230.DA1 04JAN00* 16FEB01 Prepare BY-105 for Isolation
230.DA5 01APR01* 27APR04 Pump and Complete Isolation for BY-105
230.DB1 05JUL00* 01FEB01 Prepare BY-106 for Isolation
230.DB5 10FEB01* 27APR04 Pump and Complete Isolation for BY-106
230.DE1 15JUL01* Start IS of 2 SST's, BY-106, BY-105
T03-01-714HEC
230.EA1 01NOV00* 07AUG01 Prepare S-111 for Isolation
230.EA5 08AUG01* 27APR04 Pump and Complete Isolation for S-111
230.EB1 29NOV00* 28SEP01 Prepare SX-102 for Isolation
230.EB5 01OCT01* 06APR04 Pump and Complete Isolation for SX-102
230.EC1 02OCT00* 25JUN01 Prepare U-107 for Isolation
230.EC5 26JUN01* 30SEP03 Pump and Complete Isolation for U-107
230.ED1 29JUN00* 11MAY01 Prepare U-108 for Isolation
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

230.ED5	12MAY01*	22DEC03	Pump and Complete Isolation for U-108
230.EE1	30DEC01*		Start IS of 4 SST's, U-108, U-107, S-111, SX-102 ◆ T03-02-715HEC
230.FA1	31AUG01*	23MAY02	Prepare S-101 for Isolation
230.FA5	04JUN02*	02JUN04	Pump and Complete Isolation for S-101
230.FB1	01OCT01*	06JUN02	Prepare S-107 for Isolation
230.FB5	18JUL02*	27APR04	Pump and Complete Isolation for S-107
230.FC1	31MAY01*	08MAR02	Prepare S-109 for Isolation
230.FC5	09MAR02*	27APR04	Pump and Complete Isolation for S-109
230.FD1	28JUN01*	11APR02	Prepare S-112 for Isolation
230.FD5	20APR02*	27APR04	Pump and Complete Isolation for S-112
230.FE1	29MAR01*	24JAN02	Prepare U-111 for Isolation
230.FE5	25JAN02*	01JUN04	Pump and Complete Isolation for U-111

Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23JAN02

Early Bar
Progress Bar
Critical Activity

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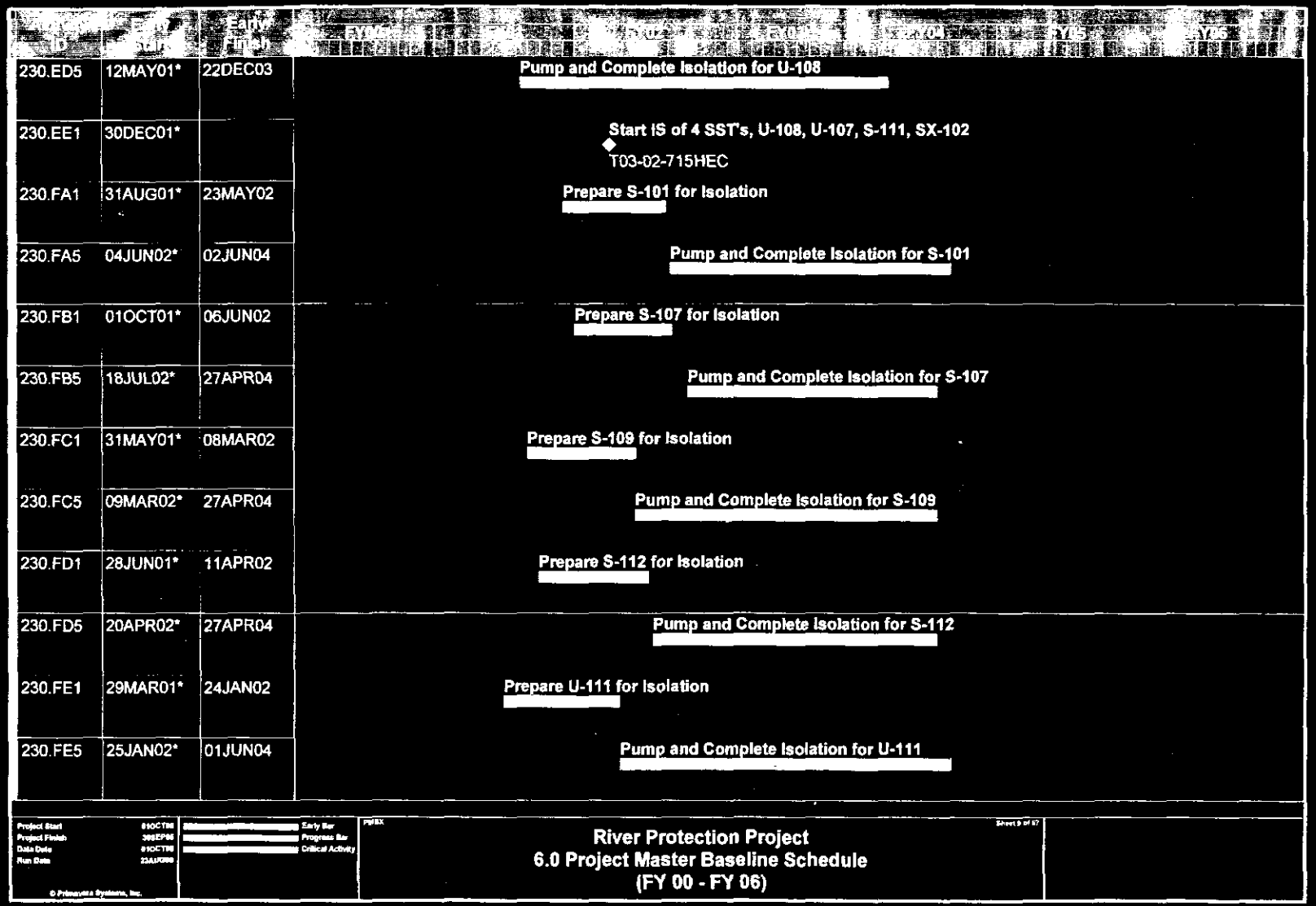
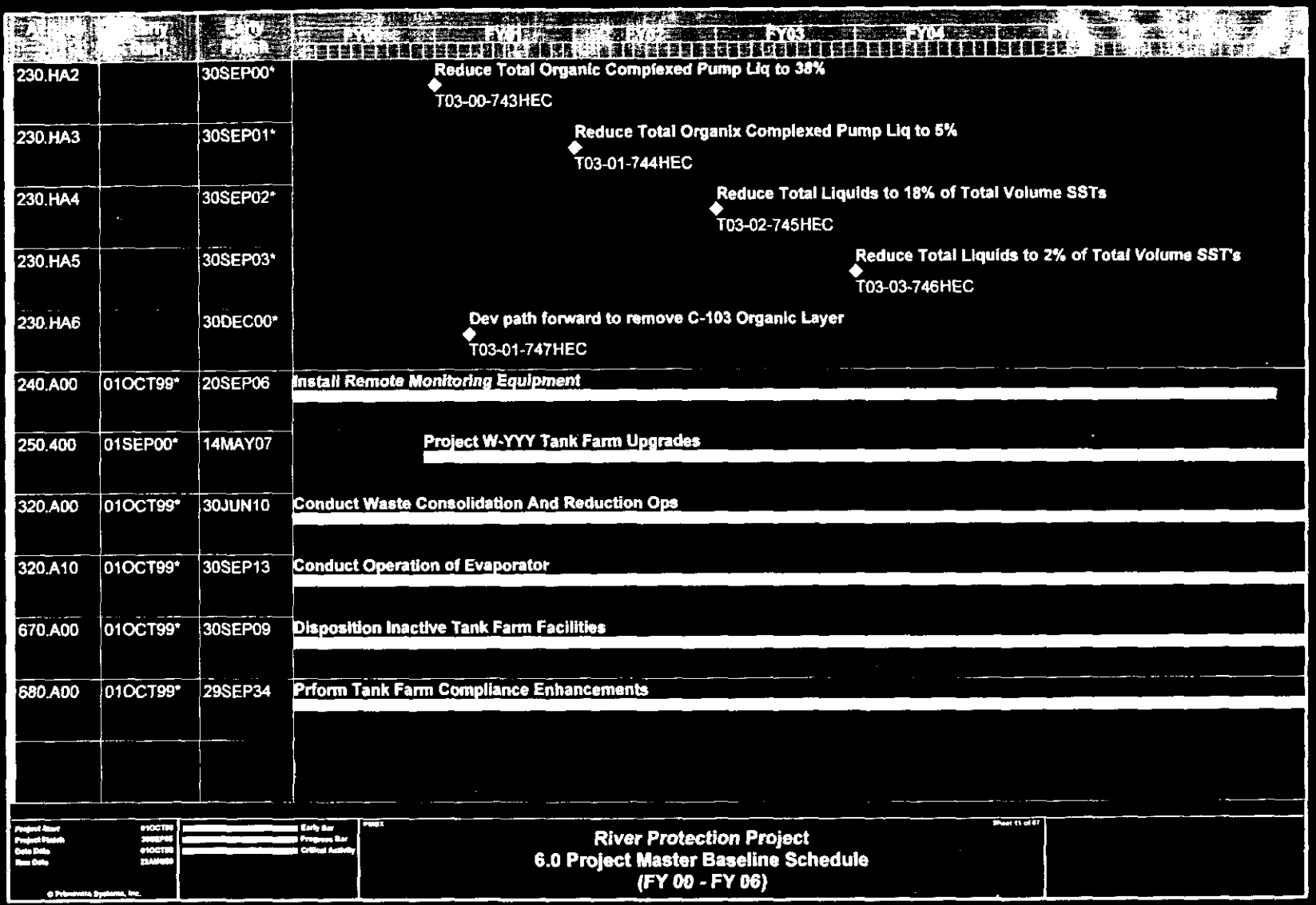
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


230.ED5 12MAY01* 22DEC03 Pump and Complete Isolation for U-108
230.EE1 30DEC01* Start IS of 4 SST's, U-108, U-107, S-111, SX-102
T03-02-715HEC
230.FA1 31AUG01* 23MAY02 Prepare S-101 for Isolation
230.FA5 04JUN02* 02JUN04 Pump and Complete Isolation for S-101
230.FB1 01OCT01* 06JUN02 Prepare S-107 for Isolation
230.FB5 18JUL02* 27APR04 Pump and Complete Isolation for S-107
230.FC1 31MAY01* 08MAR02 Prepare S-109 for Isolation
230.FC5 09MAR02* 27APR04 Pump and Complete Isolation for S-109
230.FD1 28JUN01* 11APR02 Prepare S-112 for Isolation
230.FD5 20APR02* 27APR04 Pump and Complete Isolation for S-112
230.FE1 29MAR01* 24JAN02 Prepare U-111 for Isolation
230.FE5 25JAN02* 01JUN04 Pump and Complete Isolation for U-111
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY00
FY01
FY02
FY03
FY04
230.HA2
30SEP00*
Reduce Total Organic Complexed Pump Liq to 38%
T03-00-743HEC
230.HA3
30SEP01*
Reduce Total Organix Complexed Pump Liq to 5%
T03-01-744HEC
230.HA4
30SEP02*
Reduce Total Liquids to 18% of Total Volume SSTs
T03-02-745HEC
230.HA5
30SEP03*
Reduce Total Liquids to 2% of Total Volume SST's
T03-03-746HEC
230.HA6
30DEC00*
Dev path forward to remove C-103 Organic Layer
T03-01-747HEC
240.A00
01OCT99*
20SEP06
Install Remote Monitoring Equipment
250.400
01SEP00*
14MAY07
Project W-YYY Tank Farm Upgrades
320.A00
01OCT99*
30JUN10
Conduct Waste Consolidation And Reduction Ops
320.A10
01OCT99*
30SEP13
Conduct Operation of Evaporator
670.A00
01OCT99*
30SEP09
Disposition Inactive Tank Farm Facilities
680.A00
01OCT99*
29SEP34
Prform Tank Farm Compliance Enhancements
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

A1			TW04 Retrieval LAW Tank 1 - AN-107
120.A15	01OCT99*	22MAR00	Verify AN Tank Farm Sys/Components Functionality
120.A16	23MAR00*	20MAR01	Perform Acquisition Strategy for AN Tank Farm
120.A17	02OCT00*	19MAR01	Perform AN Tank Farm Trade Studies
120.A19	23OCT00*	11APR01	Verify AP Tank Farm Sys/Components Functionality
120.A20	12APR01*	09APR02	Perform Acquisition Strategy for AP Tank Farm
120.A21	01OCT01*	18MAR02	Perform AP Tank Farm Trade Studies
120.B30	01OCT99*	07OCT99	Provide Rtrvl Prog Dir W-211 for AP-102 & AP-104
120.B37	01OCT99*	04MAY00	Update Design for AP-102/AP-104 Mixing/RtrvlSys
120.B40	01OCT99*	02FEB00	Prep Tks AP-102 & AP-104/Turnover to Proj Constr
120.B42	02OCT00*	28SEP01	Procure Equip for AP-102/AP-104 Mixing/Rtrvl Sys

Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG00

Early Bar
Progress Bar
Critical Activity

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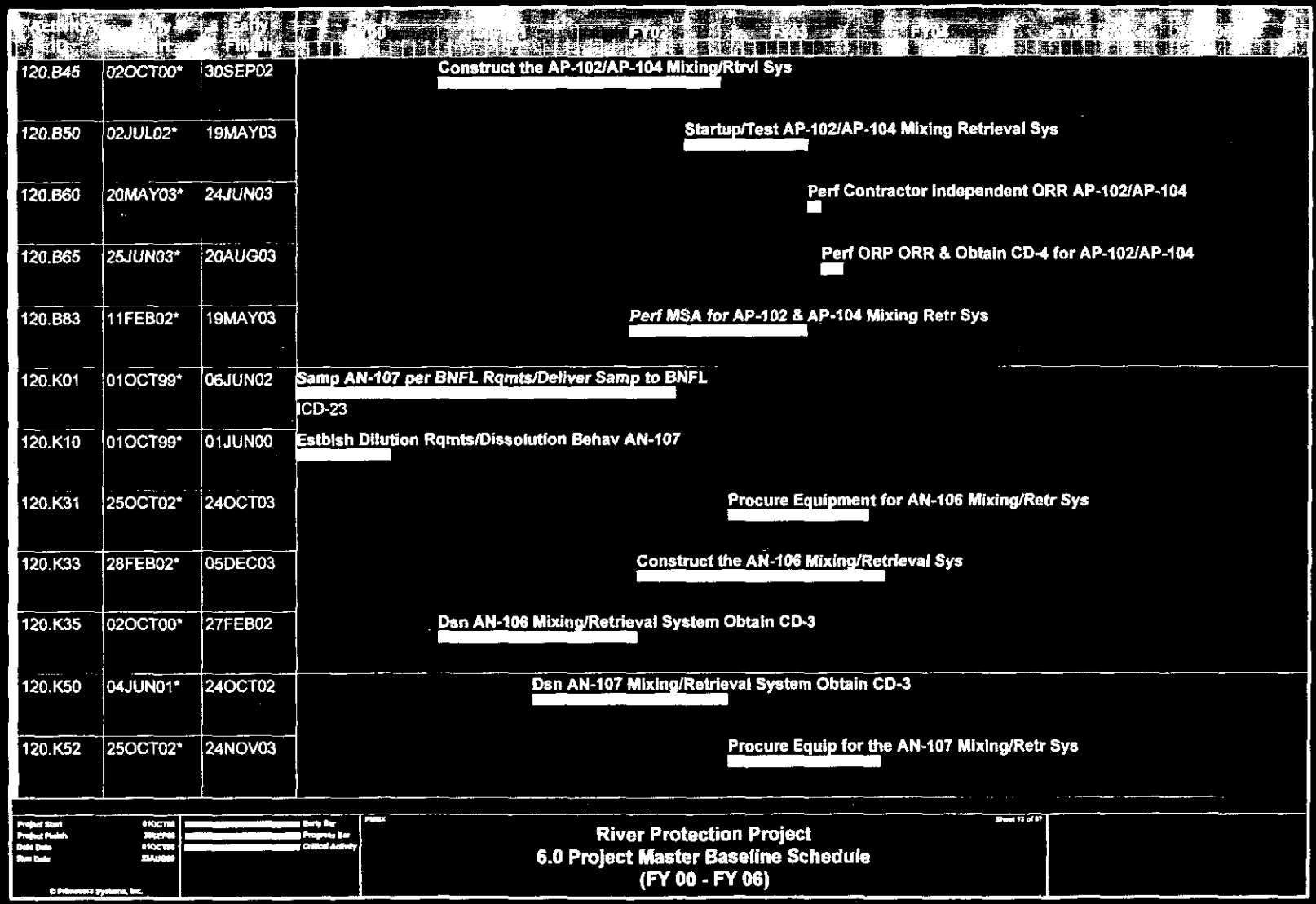
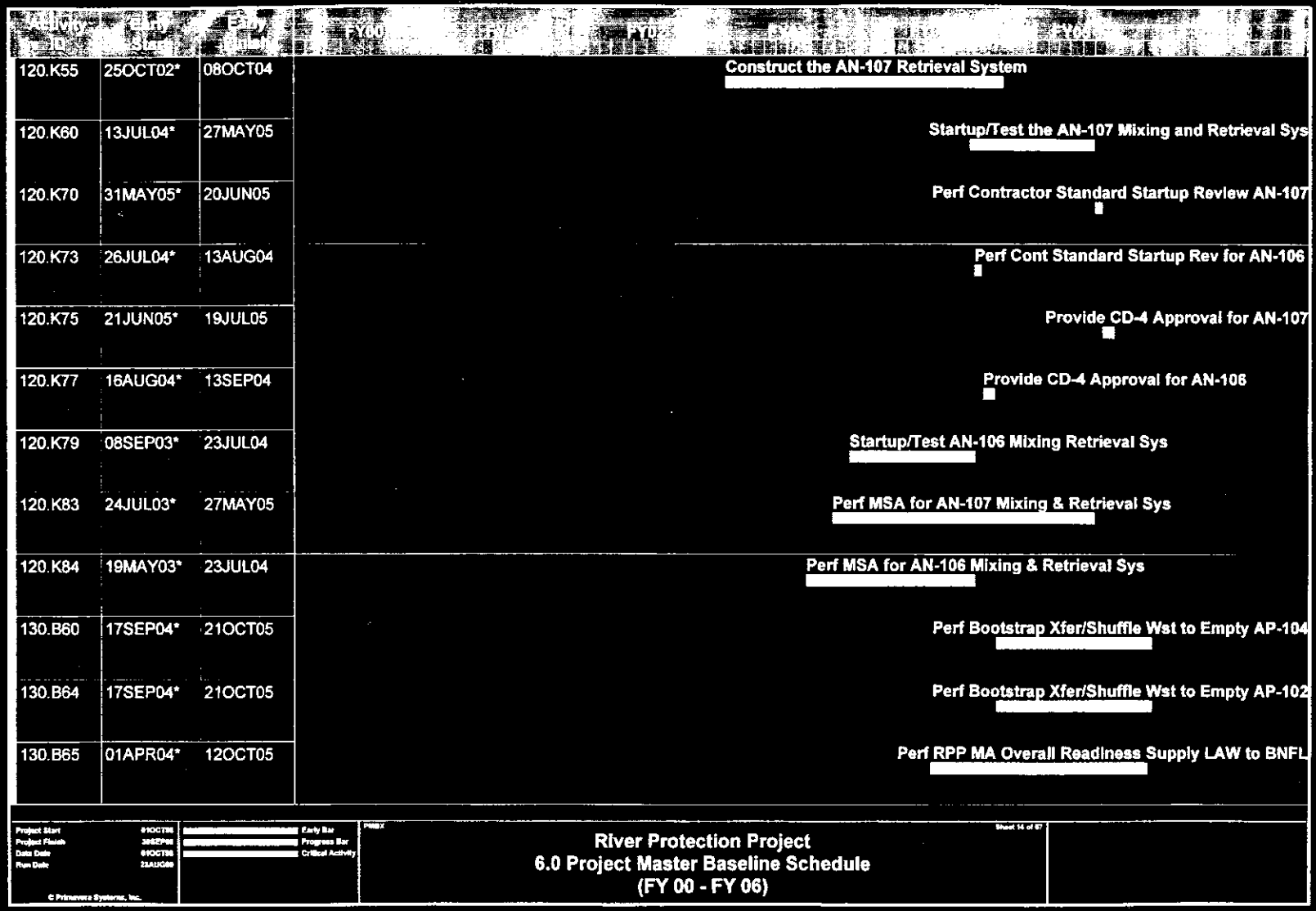
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

120.B45	02OCT00*	30SEP02
120.B50	02JUL02*	19MAY03
120.B60	20MAY03*	24JUN03
120.B65	25JUN03*	20AUG03
120.B83	11FEB02*	19MAY03
120.K01	01OCT99*	06JUN02
120.K10	01OCT99*	01JUN00
120.K31	25OCT02*	24OCT03
120.K33	28FEB02*	05DEC03
120.K35	02OCT00*	27FEB02
120.K50	04JUN01*	24OCT02
120.K52	25OCT02*	24NOV03




Activity ID
Early Start
Early Finish
FY00
FY01
FY02
FY03
FY04
120.K55 25OCT02* 08OCT04 Construct the AN-107 Retrieval System
120.K60 13JUL04* 27MAY05 Startup/Test the AN-107 Mixing and Retrieval Sys
120.K70 31MAY05* 20JUN05 Perf Contractor Standard Startup Review AN-107
120.K73 26JUL04* 13AUG04 Perf Cont Standard Startup Rev for AN-106
120.K75 21JUN05* 19JUL05 Provide CD-4 Approval for AN-107
120.K77 16AUG04* 13SEP04 Provide CD-4 Approval for AN-106
120.K79 08SEP03* 23JUL04 Startup/Test AN-106 Mixing Retrieval Sys
120.K83 24JUL03* 27MAY05 Perf MSA for AN-107 Mixing & Retrieval Sys
120.K84 19MAY03* 23JUL04 Perf MSA for AN-106 Mixing & Retrieval Sys
130.B60 17SEP04* 21OCT05 Perf Bootstrap Xfer/Shuffle Wst to Empty AP-104
130.B64 17SEP04* 21OCT05 Perf Bootstrap Xfer/Shuffle Wst to Empty AP-102
130.B65 01APR04* 12OCT05 Perf RPP MA Overall Readiness Supply LAW to BNFL
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
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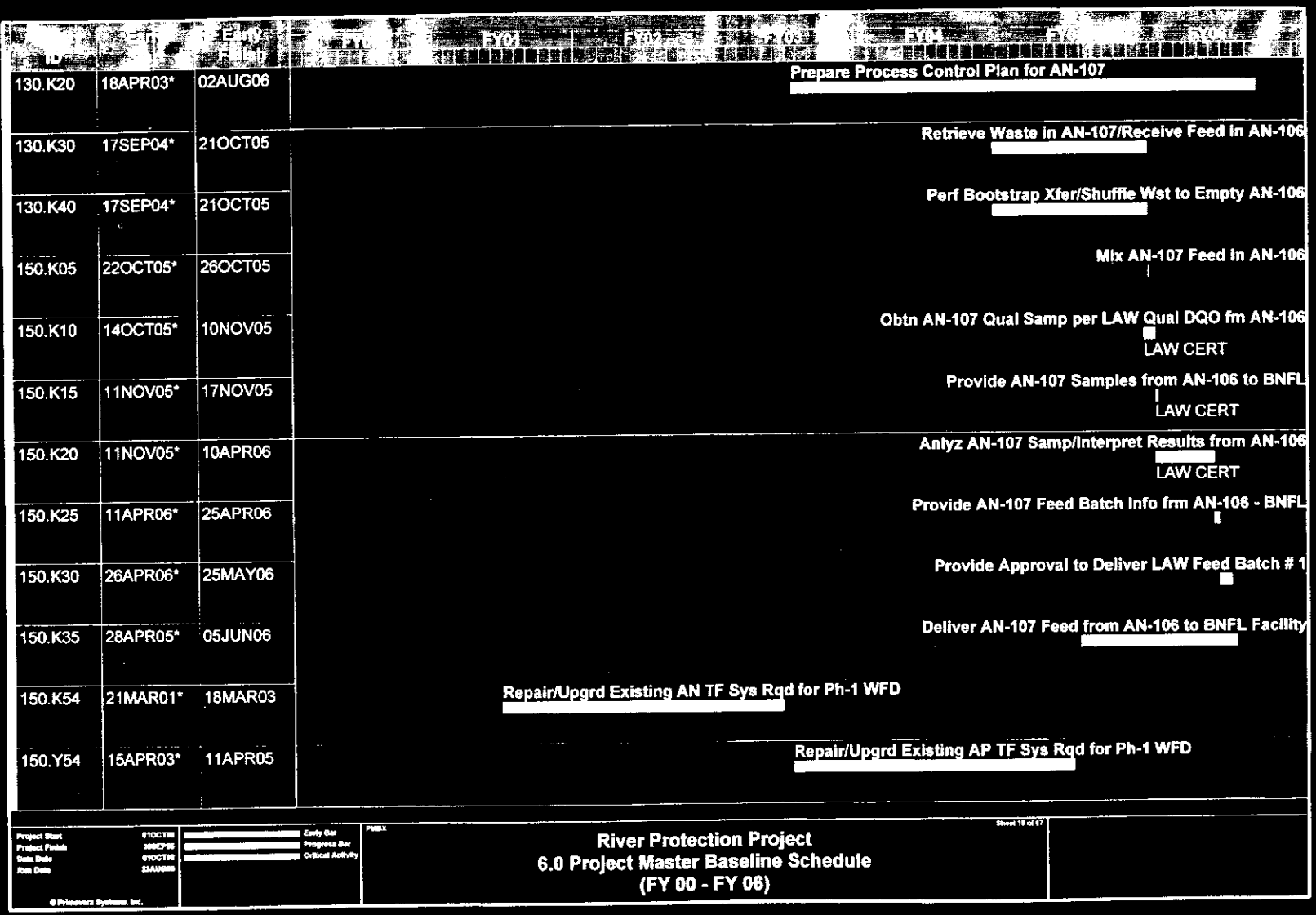
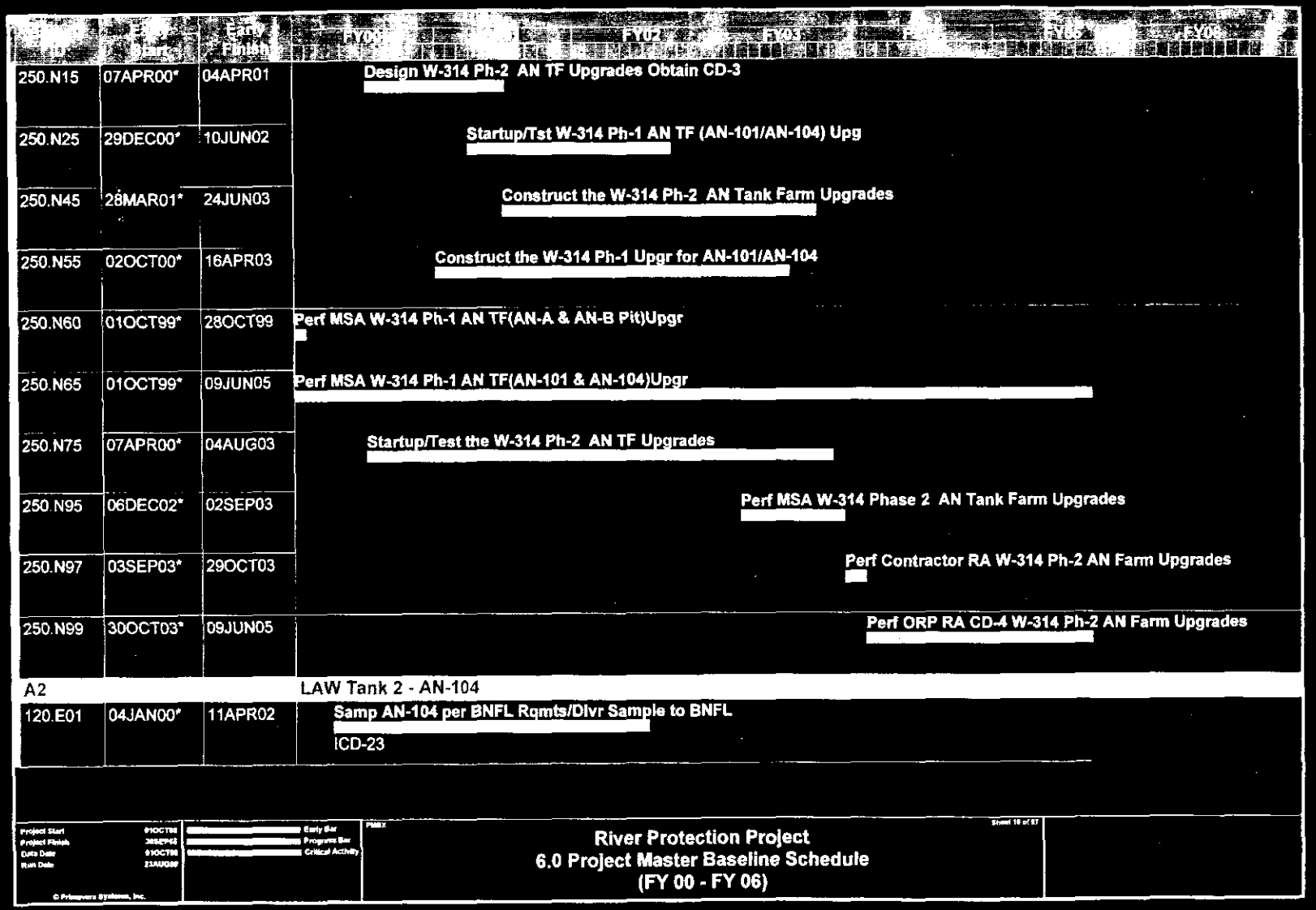
Sheet 14 of 87
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY00
FY01
FY02
FY03
FY04
FY05
FY06
130.K20 18APR03* 02AUG06
Prepare Process Control Plan for AN-107
130.K30 17SEP04* 21OCT05
Retrieve Waste in AN-107/Receive Feed in AN-106
130.K40 17SEP04* 21OCT05
Perf Bootstrap Xfer/Shuffle Wst to Empty AN-106
150.K05 22OCT05* 26OCT05
Mix AN-107 Feed in AN-106
150.K10 14OCT05* 10NOV05
Obtn AN-107 Qual Samp per LAW Qual DQO fm AN-106
LAW CERT
150.K15 11NOV05* 17NOV05
Provide AN-107 Samples from AN-106 to BNFL
LAW CERT
150.K20 11NOV05* 10APR06
Anlyz AN-107 Samp/Interpret Results from AN-106
LAW CERT
150.K25 11APR06* 25APR06
Provide AN-107 Feed Batch Info frm AN-106 - BNFL
150.K30 26APR06* 25MAY06
Provide Approval to Deliver LAW Feed Batch # 1
150.K35 28APR05* 05JUN06
Deliver AN-107 Feed from AN-106 to BNFL Facility
150.K54 21MAR01* 18MAR03
Repair/Upgrd Existing AN TF Sys Rqd for Ph-1 WFD
150.Y54 15APR03* 11APR05
Repair/Upgrd Existing AP TF Sys Rqd for Ph-1 WFD
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Print Date 23AUG99
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


Early Start
Early Finish
FY01
FY02
FY03
FY04
FY05
250.N15 07APR00* 04APR01 Design W-314 Ph-2 AN TF Upgrades Obtain CD-3
250.N25 29DEC00* 10JUN02 Startup/Tst W-314 Ph-1 AN TF (AN-101/AN-104) Upg
250.N45 28MAR01* 24JUN03 Construct the W-314 Ph-2 AN Tank Farm Upgrades
250.N55 02OCT00* 16APR03 Construct the W-314 Ph-1 Upgr for AN-101/AN-104
250.N60 01OCT99* 28OCT99 Perf MSA W-314 Ph-1 AN TF(AN-A & AN-B Pit)Upgr
250.N65 01OCT99* 09JUN05 Perf MSA W-314 Ph-1 AN TF(AN-101 & AN-104)Upgr
250.N75 07APR00* 04AUG03 Startup/Test the W-314 Ph-2 AN TF Upgrades
250.N95 06DEC02* 02SEP03 Perf MSA W-314 Phase 2 AN Tank Farm Upgrades
250.N97 03SEP03* 29OCT03 Perf Contractor RA W-314 Ph-2 AN Farm Upgrades
250.N99 30OCT03* 09JUN05 Perf ORP RA CD-4 W-314 Ph-2 AN Farm Upgrades
A2 LAW Tank 2 - AN-104
120.E01 04JAN00* 11APR02 Samp AN-104 per BNFL Rqmts/Divr Sample to BNFL
ICD-23
Project Start 01OCT98
Project Finish 30SEP43
Data Date 01OCT98
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
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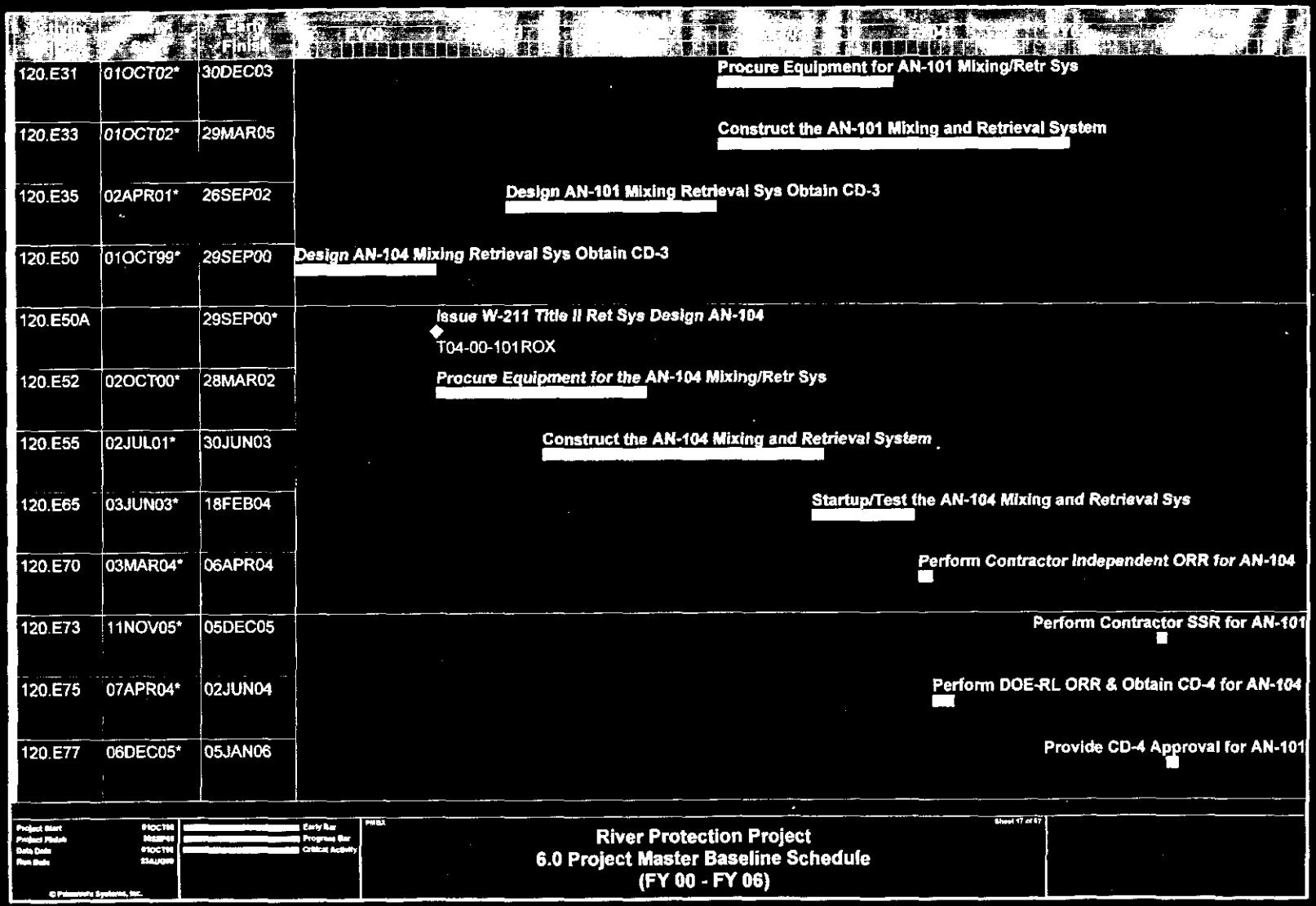
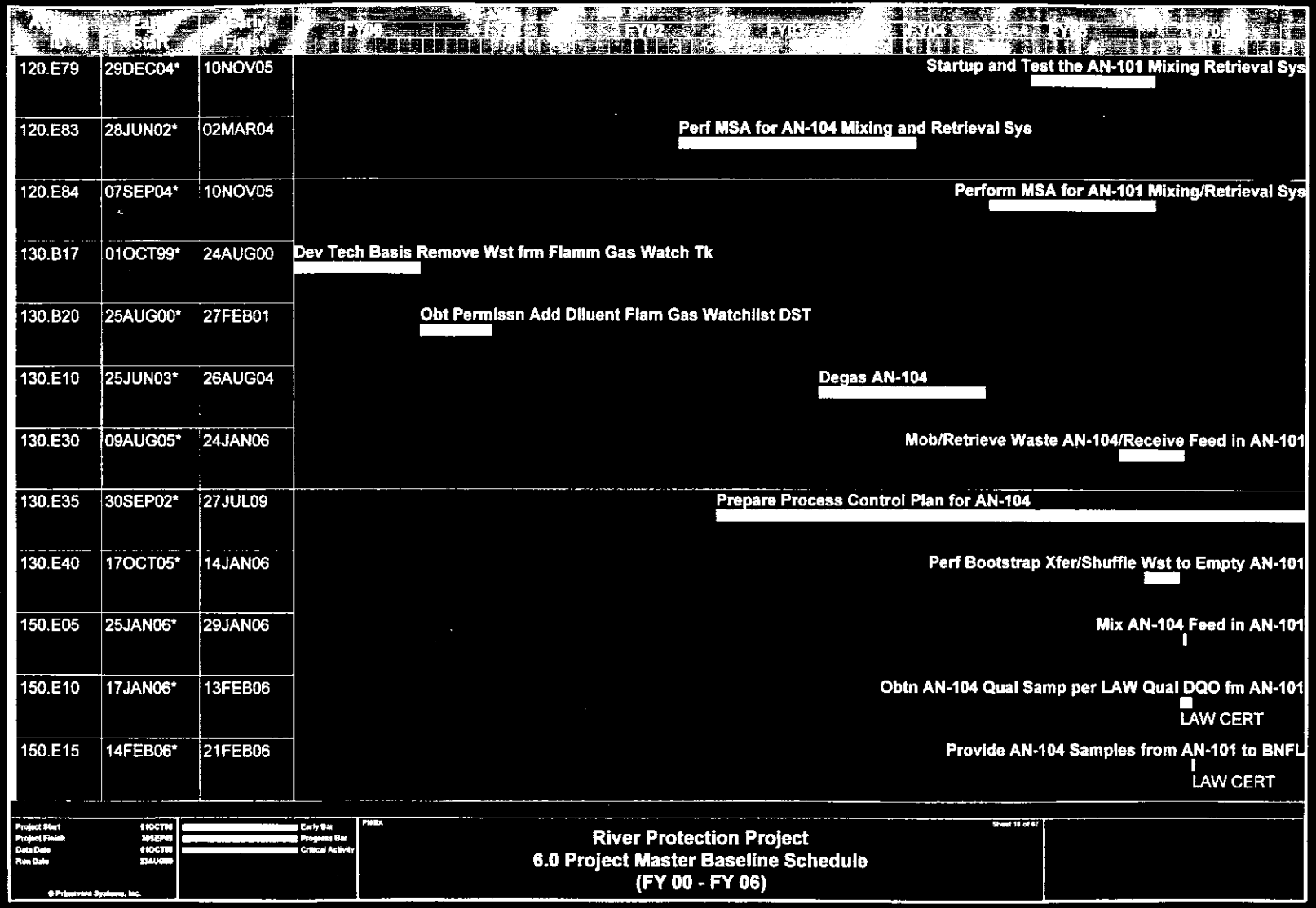
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

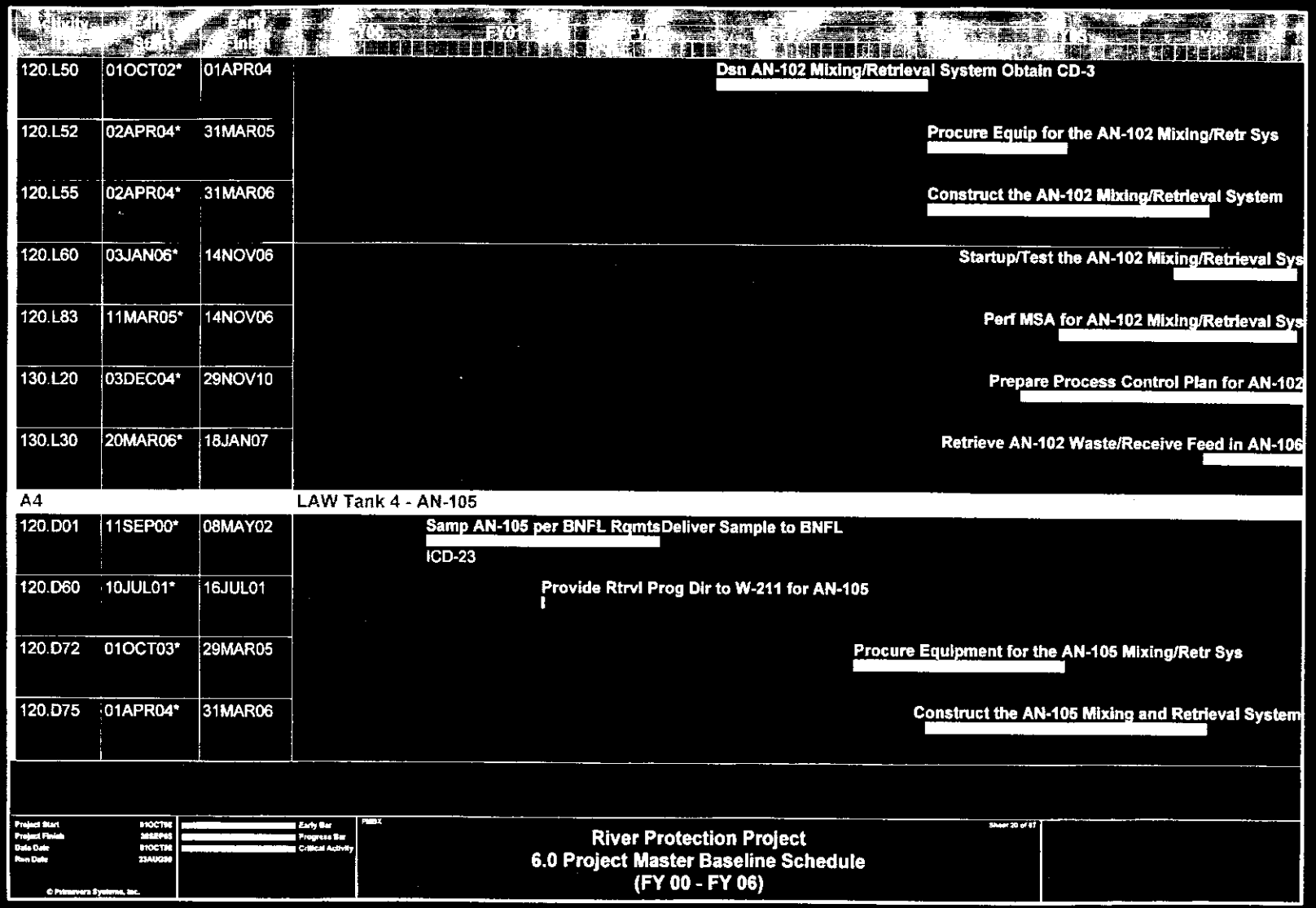

Early Finish
120.E31 01OCT02* 30DEC03 Procure Equipment for AN-101 Mixing/Retr Sys
120.E33 01OCT02* 29MAR05 Construct the AN-101 Mixing and Retrieval System
120.E35 02APR01* 26SEP02 Design AN-101 Mixing Retrieval Sys Obtain CD-3
120.E50 01OCT99* 29SEP00 Design AN-104 Mixing Retrieval Sys Obtain CD-3
120.E50A 29SEP00* Issue W-211 Title II Ret Sys Design AN-104
T04-00-101ROX
120.E52 02OCT00* 28MAR02 Procure Equipment for the AN-104 Mixing/Retr Sys
120.E55 02JUL01* 30JUN03 Construct the AN-104 Mixing and Retrieval System
120.E65 03JUN03* 18FEB04 Startup/Test the AN-104 Mixing and Retrieval Sys
120.E70 03MAR04* 06APR04 Perform Contractor Independent ORR for AN-104
120.E73 11NOV05* 05DEC05 Perform Contractor SSR for AN-101
120.E75 07APR04* 02JUN04 Perform DOE-RL ORR & Obtain CD-4 for AN-104
120.E77 06DEC05* 05JAN06 Provide CD-4 Approval for AN-101
Project Start 01OCT99
Project Finish 05JAN06
Data Date 01OCT99
Run Date 23JUN99
Early Bar
Progress Bar
Critical Activity
PWBA
Sheet 17 of 67
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


120.E79 29DEC04* 10NOV05 Startup and Test the AN-101 Mixing Retrieval Sys
120.E83 28JUN02* 02MAR04 Perf MSA for AN-104 Mixing and Retrieval Sys
120.E84 07SEP04* 10NOV05 Perform MSA for AN-101 Mixing/Retrieval Sys
130.B17 01OCT99* 24AUG00 Dev Tech Basis Remove Wst frm Flamm Gas Watch Tk
130.B20 25AUG00* 27FEB01 Obt Permissn Add Diluent Flam Gas Watchlist DST
130.E10 25JUN03* 26AUG04 Degas AN-104
130.E30 09AUG05* 24JAN06 Mob/Retrieve Waste AN-104/Receive Feed in AN-101
130.E35 30SEP02* 27JUL09 Prepare Process Control Plan for AN-104
130.E40 17OCT05* 14JAN06 Perf Bootstrap Xfer/Shuffle Wst to Empty AN-101
150.E05 25JAN06* 29JAN06 Mix AN-104 Feed in AN-101
150.E10 17JAN06* 13FEB06 Obtn AN-104 Qual Samp per LAW Qual DQO fm AN-101
LAW CERT
150.E15 14FEB06* 21FEB06 Provide AN-104 Samples from AN-101 to BNFL
LAW CERT
Project Start 01OCT99
Project Finish 30SEP08
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
PWBS
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

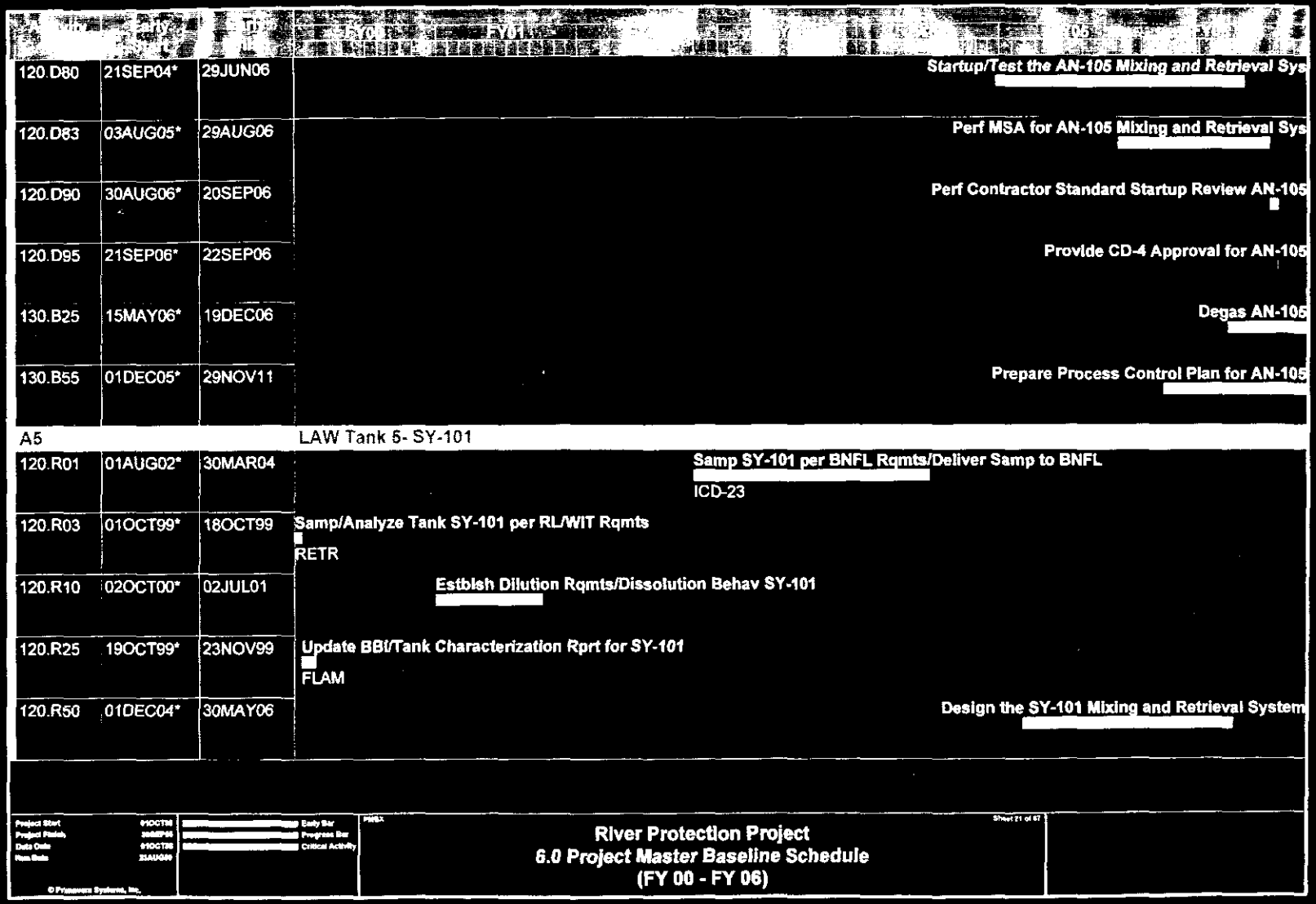
			FY00	FY01	FY02	FY03	FY04	FY05	FY06
150.E20	14FEB06*	10JUL06	Anlyz AN-104 Samp/Interpret Results from AN-101 LAW CERT						
150.E25	11JUL06*	25JUL06	Provide AN-104 Feed Batch Info frm AN-101 - BNFL						
150.E30	26JUL06*	24AUG06	Provide Approval to Deliver LAW Feed Batch #2						
150.E40	25JAN06*	29JAN06	Mix Remaining AN-104 Feed						
150.E45	17JAN06*	13FEB06	Obtn AN-104 Qual Samp per LAW Qual DQO frm AN-104 LAW CERT						
150.E50	14FEB06*	21FEB06	Provide AN-104 Samples from AN-104 to BNFL LAW CERT						
150.E55	14FEB06*	10JUL06	Anlyz AN-104 Samp/Interpret Results from AN-104 LAW CERT						
150.E60	11JUL06*	25JUL06	Provide AN-104 Feed Batch Info frm AN-104 - BNFL						
150.E65	26JUL06*	24AUG06	Provide Approval to Deliver LAW Feed Batch #3						
A3			LAW Tank 3 - AN-102						
120.L01	12JUN00*	07FEB02	Samp AN-102 per BNFL Rqmts/Deliver Samp to BNFL ICD-23						
120.L10	02OCT00*	02JUL01	Estblsh Dlution Rqmts/Dissolution Behavr AN-102						

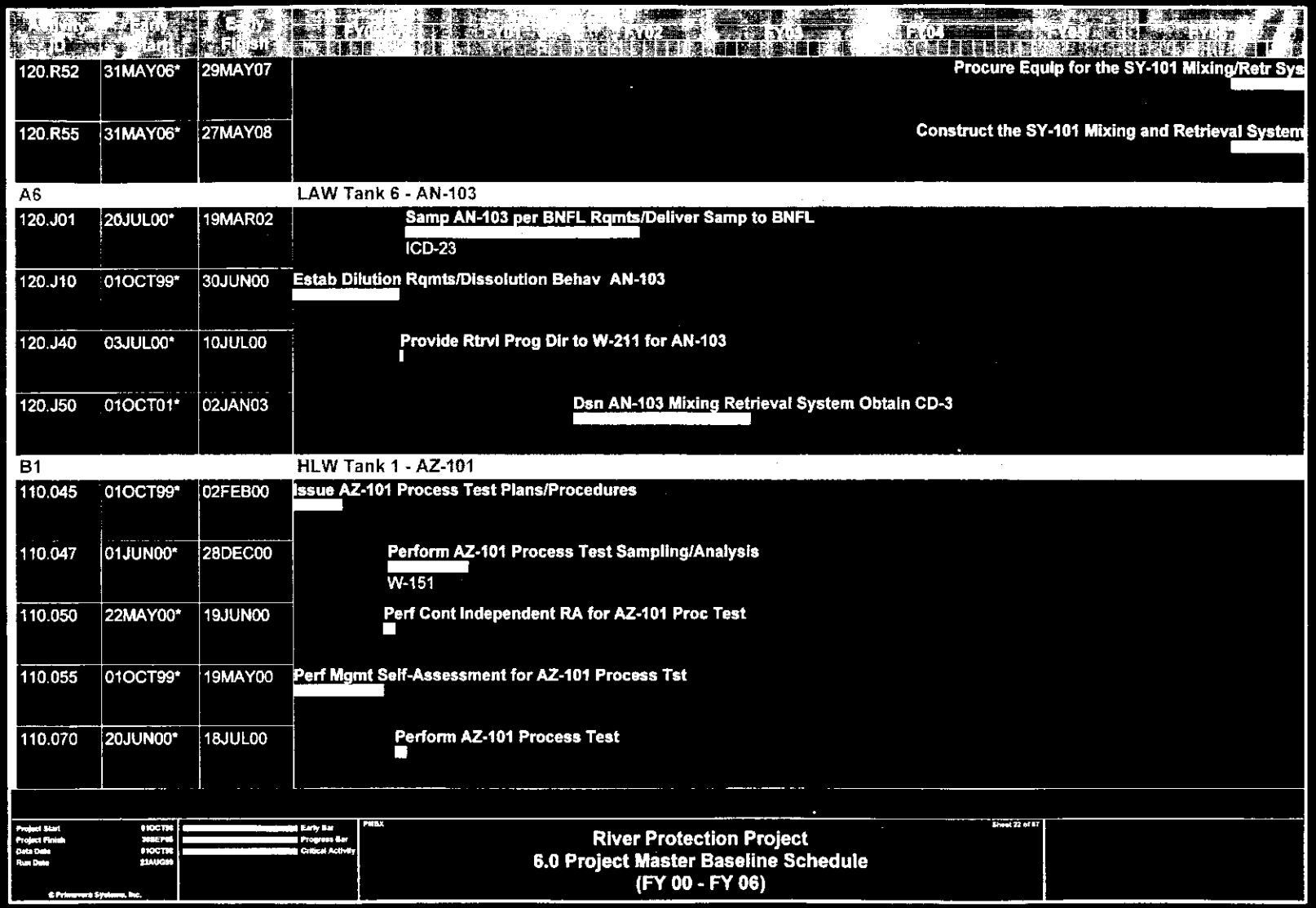
Project Start 01OCT99 | Early Bar | Project
Project Finish 30SEP06 | Progress Bar | Sheet 19 of 67
Data Date 01OCT99 | Critical Activity
Run Date 23AUG99

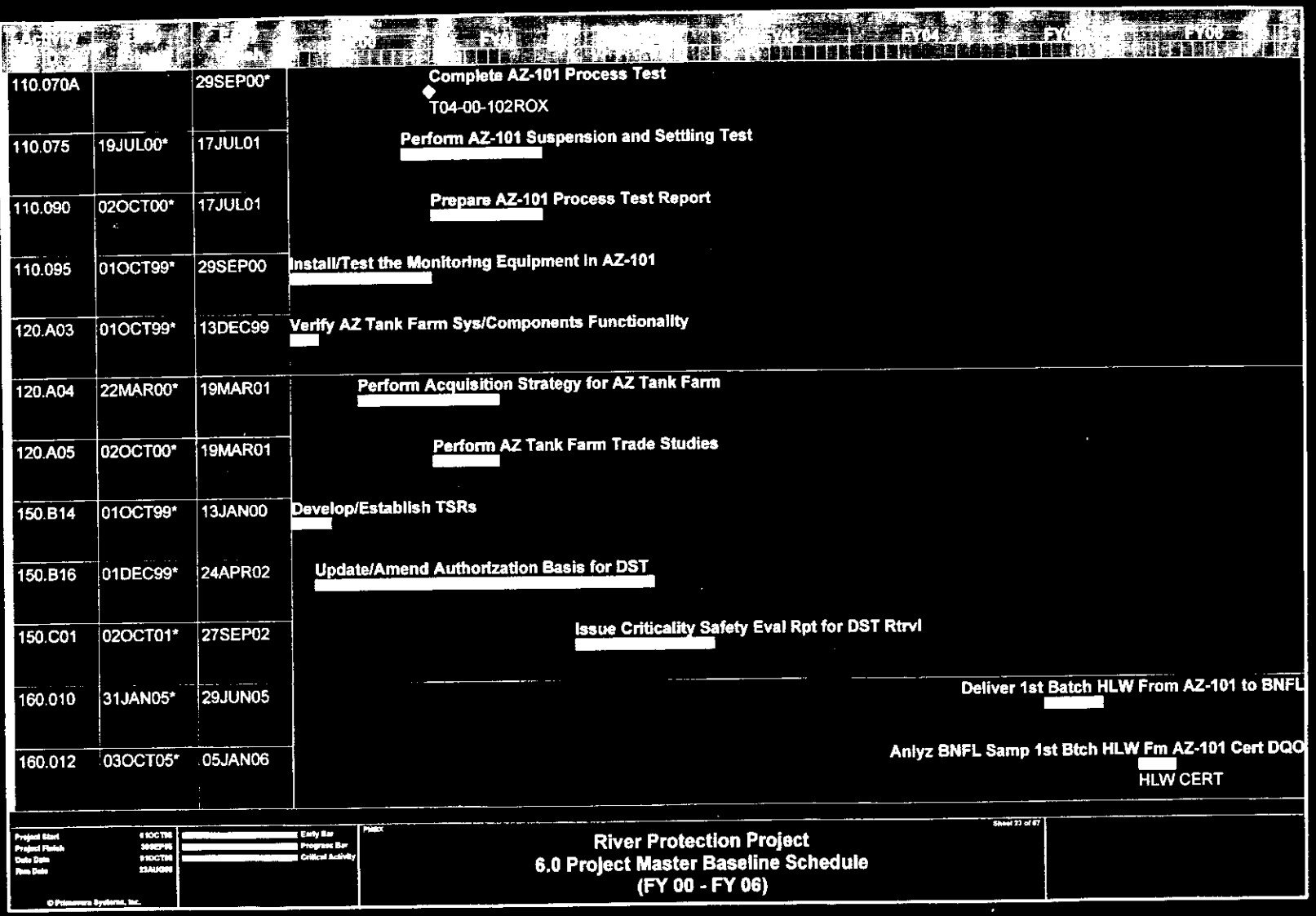
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

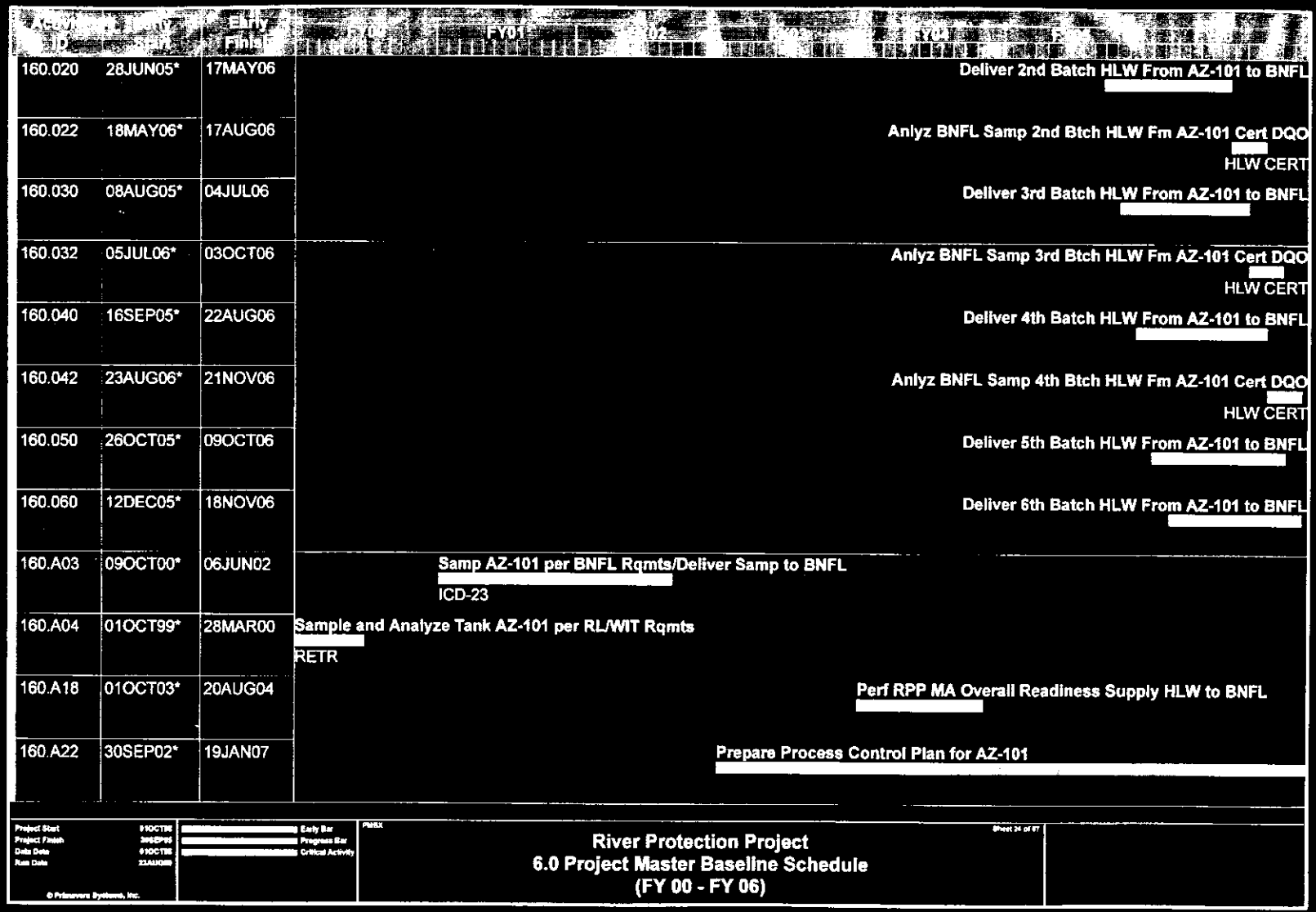


120.L50	01OCT02*	01APR04	
120.L52	02APR04*	31MAR05	
120.L55	02APR04*	31MAR06	
120.L60	03JAN06*	14NOV06	
120.L83	11MAR05*	14NOV06	
130.L20	03DEC04*	29NOV10	
130.L30	20MAR06*	18JAN07	
A4			LAW Tank 4 - AN-105
120.D01	11SEP00*	08MAY02	
120.D60	10JUL01*	16JUL01	
120.D72	01OCT03*	29MAR05	
120.D75	01APR04*	31MAR06	


FY01
05
120.D80 21SEP04* 29JUN06
Startup/Test the AN-105 Mixing and Retrieval Sys
120.D83 03AUG05* 29AUG06
Perf MSA for AN-105 Mixing and Retrieval Sys
120.D90 30AUG06* 20SEP06
Perf Contractor Standard Startup Review AN-105
120.D95 21SEP06* 22SEP06
Provide CD-4 Approval for AN-105
130.B25 15MAY06* 19DEC06
Degas AN-105
130.B55 01DEC05* 29NOV11
Prepare Process Control Plan for AN-105
A5
LAW Tank 5- SY-101
120.R01 01AUG02* 30MAR04
Samp SY-101 per BNFL Rqmts/Deliver Samp to BNFL
ICD-23
120.R03 01OCT99* 18OCT99
Samp/Analyze Tank SY-101 per RL/WIT Rqmts
RETR
120.R10 02OCT00* 02JUL01
Estblsh Dilution Rqmts/Dissolution Behav SY-101
120.R25 19OCT99* 23NOV99
Update BBI/Tank Characterization Rprt for SY-101
FLAM
120.R50 01DEC04* 30MAY06
Design the SY-101 Mixing and Retrieval System
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG00
Early Bar
Progress Bar
Critical Activity
PMBX
Sheet 21 of 67
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


120.R52 31MAY06* 29MAY07 Procure Equip for the SY-101 Mixing/Retr Sys
120.R55 31MAY06* 27MAY08 Construct the SY-101 Mixing and Retrieval System
A6 LAW Tank 6 - AN-103
120.J01 20JUL00* 19MAR02 Samp AN-103 per BNFL Rqmts/Deliver Samp to BNFL
ICD-23
120.J10 01OCT99* 30JUN00 Estab Dilution Rqmts/Dissolution Behav AN-103
120.J40 03JUL00* 10JUL00 Provide Rtrvl Prog Dir to W-211 for AN-103
120.J50 01OCT01* 02JAN03 Dsn AN-103 Mixing Retrieval System Obtain CD-3
B1 HLW Tank 1 - AZ-101
110.045 01OCT99* 02FEB00 Issue AZ-101 Process Test Plans/Procedures
110.047 01JUN00* 28DEC00 Perform AZ-101 Process Test Sampling/Analysis
W-151
110.050 22MAY00* 19JUN00 Perf Cont Independent RA for AZ-101 Proc Test
110.055 01OCT99* 19MAY00 Perf Mgmt Self-Assessment for AZ-101 Process Tst
110.070 20JUN00* 18JUL00 Perform AZ-101 Process Test
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG00
Early Bar
Progress Bar
Critical Activity
PMBX
Sheet 22 of 57
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY 00
FY 01
FY 02
FY 03
FY 04
FY 05
FY 06
110.070A 29SEP00* Complete AZ-101 Process Test
T04-00-102ROX
110.075 19JUL00* 17JUL01 Perform AZ-101 Suspension and Settling Test
110.090 02OCT00* 17JUL01 Prepare AZ-101 Process Test Report
110.095 01OCT99* 29SEP00 Install/Test the Monitoring Equipment In AZ-101
120.A03 01OCT99* 13DEC99 Verify AZ Tank Farm Sys/Components Functionality
120.A04 22MAR00* 19MAR01 Perform Acquisition Strategy for AZ Tank Farm
120.A05 02OCT00* 19MAR01 Perform AZ Tank Farm Trade Studies
150.B14 01OCT99* 13JAN00 Develop/Establish TSRs
150.B16 01DEC99* 24APR02 Update/Amend Authorization Basis for DST
150.C01 02OCT01* 27SEP02 Issue Criticality Safety Eval Rpt for DST Rtrvl
160.010 31JAN05* 29JUN05 Deliver 1st Batch HLW From AZ-101 to BNFL
160.012 03OCT05* 05JAN06 Anlyz BNFL Samp 1st Btch HLW Fm AZ-101 Cert DQO
HLW CERT
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


Early Finish
FY01
FY02
160.020 28JUN05* 17MAY06 Deliver 2nd Batch HLW From AZ-101 to BNFL
160.022 18MAY06* 17AUG06 Anlyz BNFL Samp 2nd Btch HLW Fm AZ-101 Cert DQO
HLW CERT
160.030 08AUG05* 04JUL06 Deliver 3rd Batch HLW From AZ-101 to BNFL
160.032 05JUL06* 03OCT06 Anlyz BNFL Samp 3rd Btch HLW Fm AZ-101 Cert DQO
HLW CERT
160.040 16SEP05* 22AUG06 Deliver 4th Batch HLW From AZ-101 to BNFL
160.042 23AUG06* 21NOV06 Anlyz BNFL Samp 4th Btch HLW Fm AZ-101 Cert DQO
HLW CERT
160.050 26OCT05* 09OCT06 Deliver 5th Batch HLW From AZ-101 to BNFL
160.060 12DEC05* 18NOV06 Deliver 6th Batch HLW From AZ-101 to BNFL
160.A03 09OCT00* 06JUN02 Samp AZ-101 per BNFL Rqmts/Deliver Samp to BNFL
ICD-23
160.A04 01OCT99* 28MAR00 Sample and Analyze Tank AZ-101 per RL/WIT Rqmts
RETR
160.A18 01OCT03* 20AUG04 Perf RPP MA Overall Readiness Supply HLW to BNFL
160.A22 30SEP02* 19JAN07 Prepare Process Control Plan for AZ-101
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 22AUG05
Early Bar
Progress Bar
Critical Activity
PMSX
Sheet 24 of 27
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)
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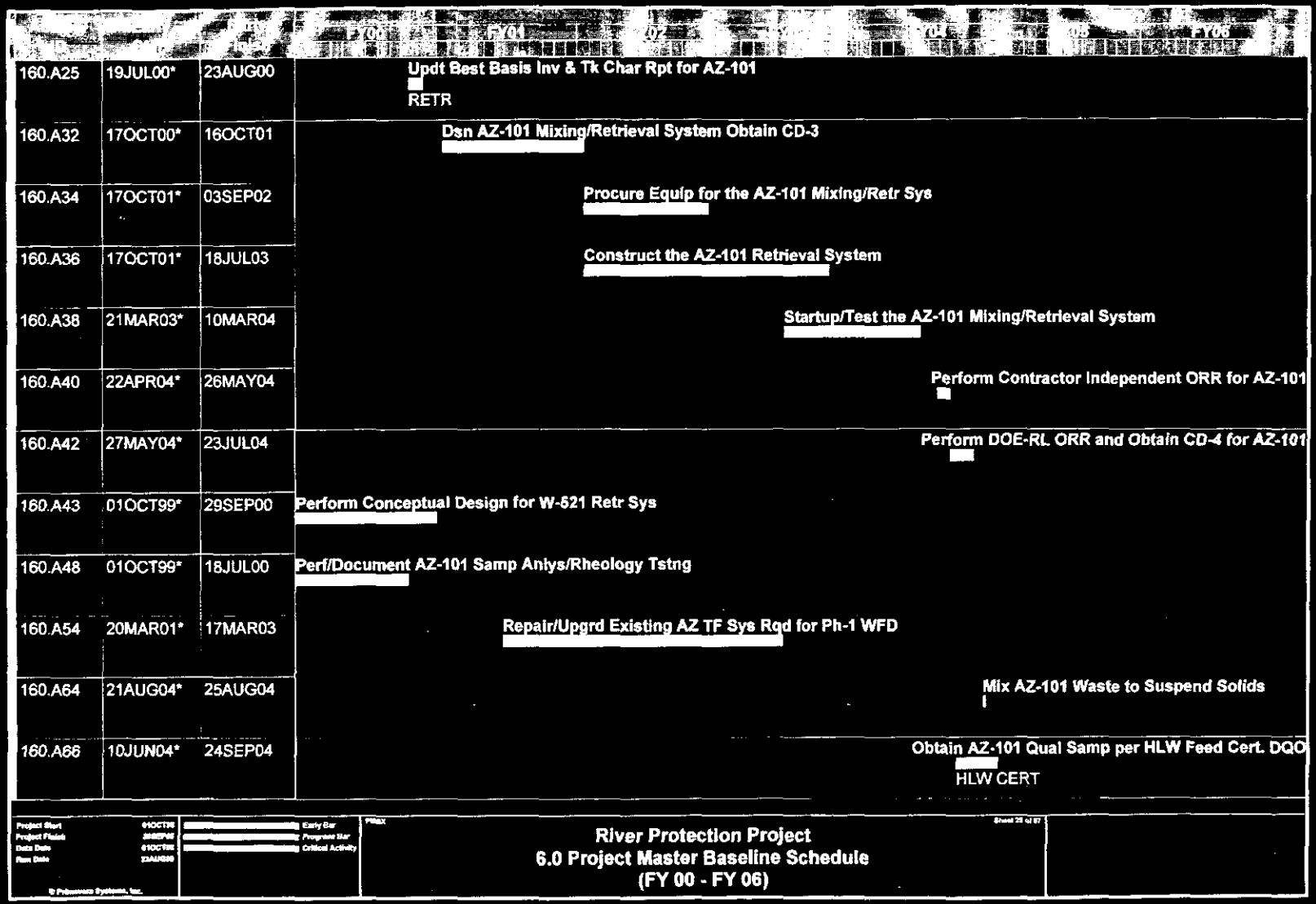
FY00
FY01
FY02
FY03
160.A25 19JUL00* 23AUG00 Updt Best Basis Inv & Tk Char Rpt for AZ-101
RETR
160.A32 17OCT00* 16OCT01 Dsn AZ-101 Mixing/Retrieval System Obtain CD-3
160.A34 17OCT01* 03SEP02 Procure Equip for the AZ-101 Mixing/Retr Sys
160.A36 17OCT01* 18JUL03 Construct the AZ-101 Retrieval System
160.A38 21MAR03* 10MAR04 Startup/Test the AZ-101 Mixing/Retrieval System
160.A40 22APR04* 26MAY04 Perform Contractor Independent ORR for AZ-101
160.A42 27MAY04* 23JUL04 Perform DOE-RL ORR and Obtain CD-4 for AZ-101
160.A43 01OCT99* 29SEP00 Perform Conceptual Design for W-521 Retr Sys
160.A48 01OCT99* 18JUL00 Perf/Document AZ-101 Samp Anlys/Rheology Tstng
160.A54 20MAR01* 17MAR03 Repair/Upgrd Existing AZ TF Sys Rqd for Ph-1 WFD
160.A64 21AUG04* 25AUG04 Mix AZ-101 Waste to Suspend Solids
160.A66 10JUN04* 24SEP04 Obtain AZ-101 Qual Samp per HLW Feed Cert. DQO
HLW CERT
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
PRMX
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

160.A68	27SEP04*	10MAY05	Anlyz AZ-101 Samples to HLW Feed Cert. DQO HLW CERT
160.A70	26MAY05*	24JUN05	Provide Approval to Deliver AZ-101 Feed
160.A74	27SEP04*	01OCT04	Provide Separate AZ-101 Samples to BNFL HLW CERT
160.A76	11MAY05*	25MAY05	Provide MT AZ-101 Susp Solid/Offcl Cmpstn BNFL
160.A83	15JAN03*	21APR04	Perf MSA of the AZ-101 Mixing/Retrieval System
250.D15	01OCT01*	30SEP02	Dsn 244-S DCRT Compliance Upgrades/Obtain CD-3
250.D45	01OCT01*	13APR04	Construct the 244-S DCRT Compliance Upgrades
250.D75	01OCT01*	03JUN04	Startup/Test the 244-S DCRT Compliance Upgrades
250.D95	15OCT03*	02JUL04	Perform MSA for 244-S DCRT Compliance Upgrades
250.D97	06JUL04*	27AUG04	Perf Cont Indpndnt ORR 244-S DCRT Comp Upgrades
250.D99	30AUG04*	26OCT04	Perf DOE/ORP ORR & Obt CD-4 244S DCR Compl Upgr
250.E05	01OCT99*	16APR01	Design W-314 Phase 1 WTS Upgrades/Obtain CD-3

Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99

Early Bar
Progress Bar
Critical Activity

PMBX

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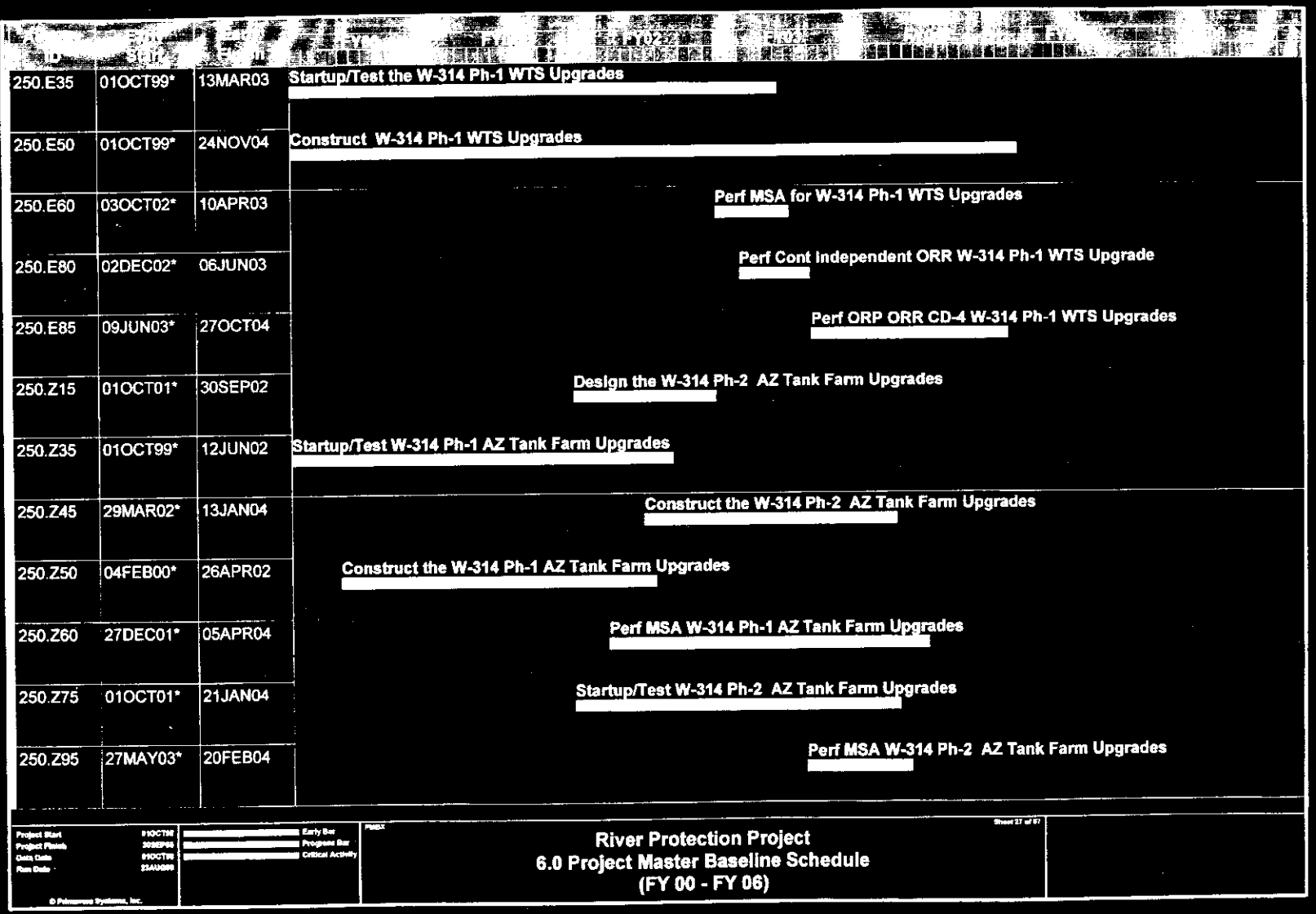
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)



250.E35	01OCT99*	13MAR03	Startup/Test the W-314 Ph-1 WTS Upgrades
250.E50	01OCT99*	24NOV04	Construct W-314 Ph-1 WTS Upgrades
250.E60	03OCT02*	10APR03	Perf MSA for W-314 Ph-1 WTS Upgrades
250.E80	02DEC02*	06JUN03	Perf Cont Independent ORR W-314 Ph-1 WTS Upgrade
250.E85	09JUN03*	27OCT04	Perf ORP ORR CD-4 W-314 Ph-1 WTS Upgrades
250.Z15	01OCT01*	30SEP02	Design the W-314 Ph-2 AZ Tank Farm Upgrades
250.Z35	01OCT99*	12JUN02	Startup/Test W-314 Ph-1 AZ Tank Farm Upgrades
250.Z45	29MAR02*	13JAN04	Construct the W-314 Ph-2 AZ Tank Farm Upgrades
250.Z50	04FEB00*	26APR02	Construct the W-314 Ph-1 AZ Tank Farm Upgrades
250.Z60	27DEC01*	05APR04	Perf MSA W-314 Ph-1 AZ Tank Farm Upgrades
250.Z75	01OCT01*	21JAN04	Startup/Test W-314 Ph-2 AZ Tank Farm Upgrades
250.Z95	27MAY03*	20FEB04	Perf MSA W-314 Ph-2 AZ Tank Farm Upgrades

Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99

Early Bar
Progress Bar
Critical Activity

PMBX

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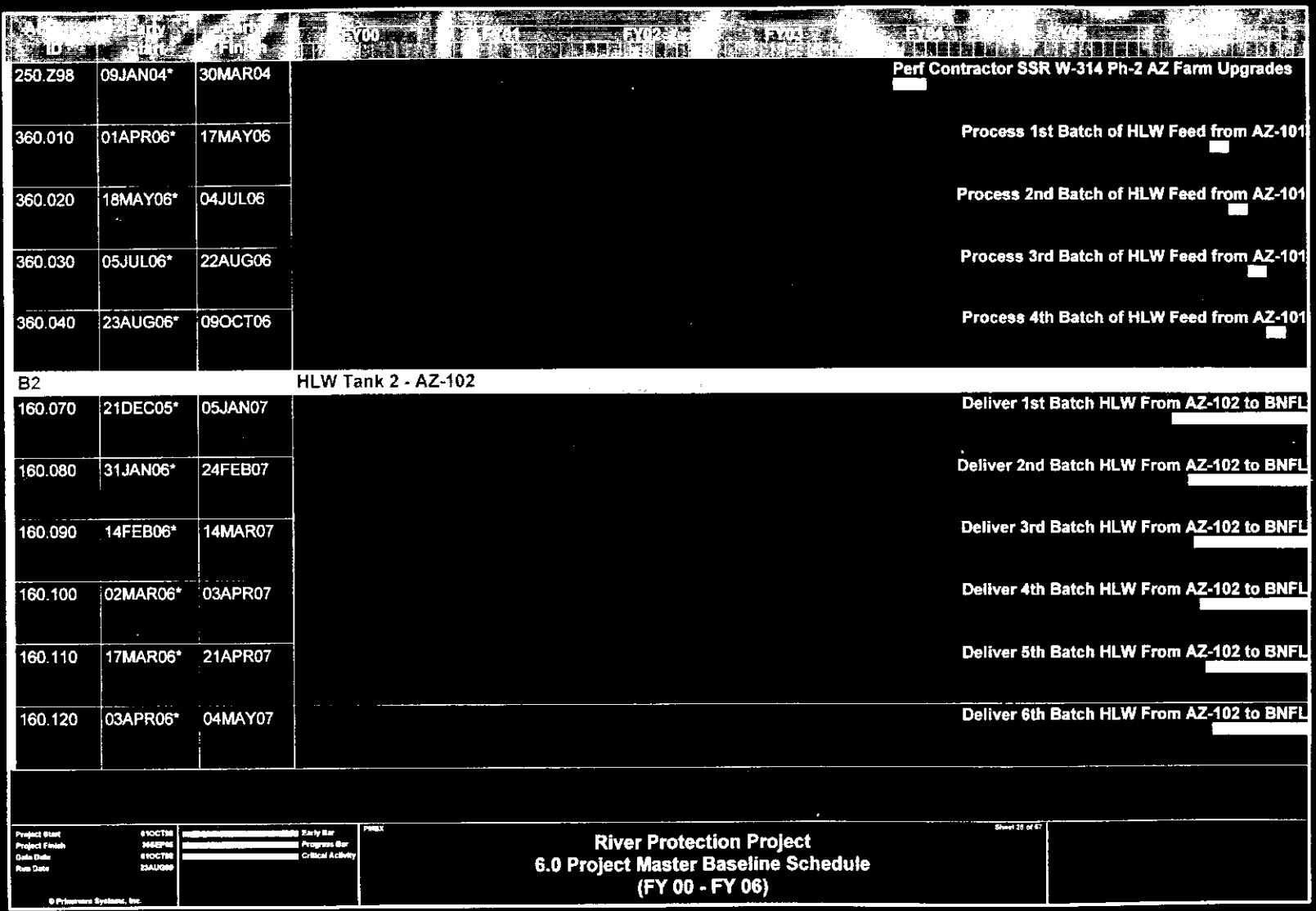
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


ID
FY00
FY01
FY02
FY03
FY04
FY05
FY06
250.Z98 09JAN04* 30MAR04
Perf Contractor SSR W-314 Ph-2 AZ Farm Upgrades
360.010 01APR06* 17MAY06
Process 1st Batch of HLW Feed from AZ-101
360.020 18MAY06* 04JUL06
Process 2nd Batch of HLW Feed from AZ-101
360.030 05JUL06* 22AUG06
Process 3rd Batch of HLW Feed from AZ-101
360.040 23AUG06* 09OCT06
Process 4th Batch of HLW Feed from AZ-101
B2
HLW Tank 2 - AZ-102
160.070 21DEC05* 05JAN07
Deliver 1st Batch HLW From AZ-102 to BNFL
160.080 31JAN06* 24FEB07
Deliver 2nd Batch HLW From AZ-102 to BNFL
160.090 14FEB06* 14MAR07
Deliver 3rd Batch HLW From AZ-102 to BNFL
160.100 02MAR06* 03APR07
Deliver 4th Batch HLW From AZ-102 to BNFL
160.110 17MAR06* 21APR07
Deliver 5th Batch HLW From AZ-102 to BNFL
160.120 03APR06* 04MAY07
Deliver 6th Batch HLW From AZ-102 to BNFL
Project Start 01OCT98
Project Finish 30SEP06
Data Date 01OCT98
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
Sheet 35 of 67
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

160.F03	01OCT99*	09AUG02	Sample AZ-102 per BNFL Rqmts/Delvr Samp to BNFL
160.F04	21JAN00*	25FEB00	Sample and Analyze Tank AZ-102 per RL/WIT Rqmts
160.F05	01OCT99*	20JAN00	Obtn Core Samp of AZ-102/Prep Sub-Samp/Composite
160.F10	01OCT99*	18JUL00	Perform/Doc AZ-102 Samp Analyses/Rheology Tstng
160.F12	19JUL00*	23AUG00	Update BBI/Tank Characterization Rprt for AZ-102
160.F20	22MAY03*	05MAR07	Prepare Process Control Plan for AZ-102
160.F30	01OCT99*	07OCT99	Provide Retr Program Dir to W-211 for AZ-102
160.F40	01OCT99*	29SEP00	Dsn AZ-102 Mixing Retrieval System Obtain CD-3
160.F40A		29SEP00*	Issue W-211 Title II Ret Sys Design AZ-102
160.F50	03JUN02*	27MAY04	Construct the AZ-102 Mixing and Retrieval System
160.F52	01OCT01*	30MAY03	Procure Equipment for the AZ-102 Mixing/Retr Sys
160.F60	02MAR04*	17JAN05	Startup/Test the AZ-102 Mixing/Retrieval System

CD-23

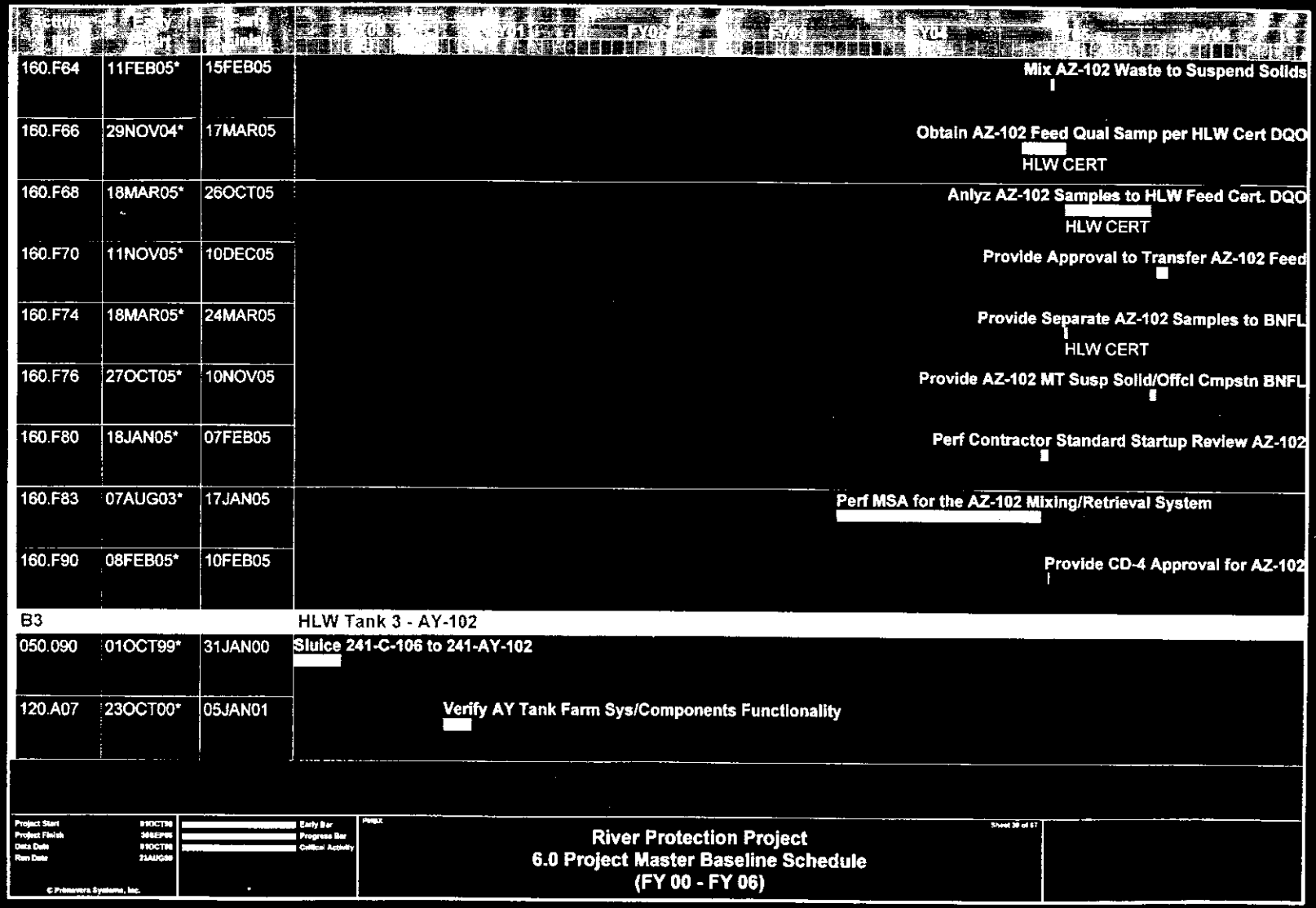
RETR

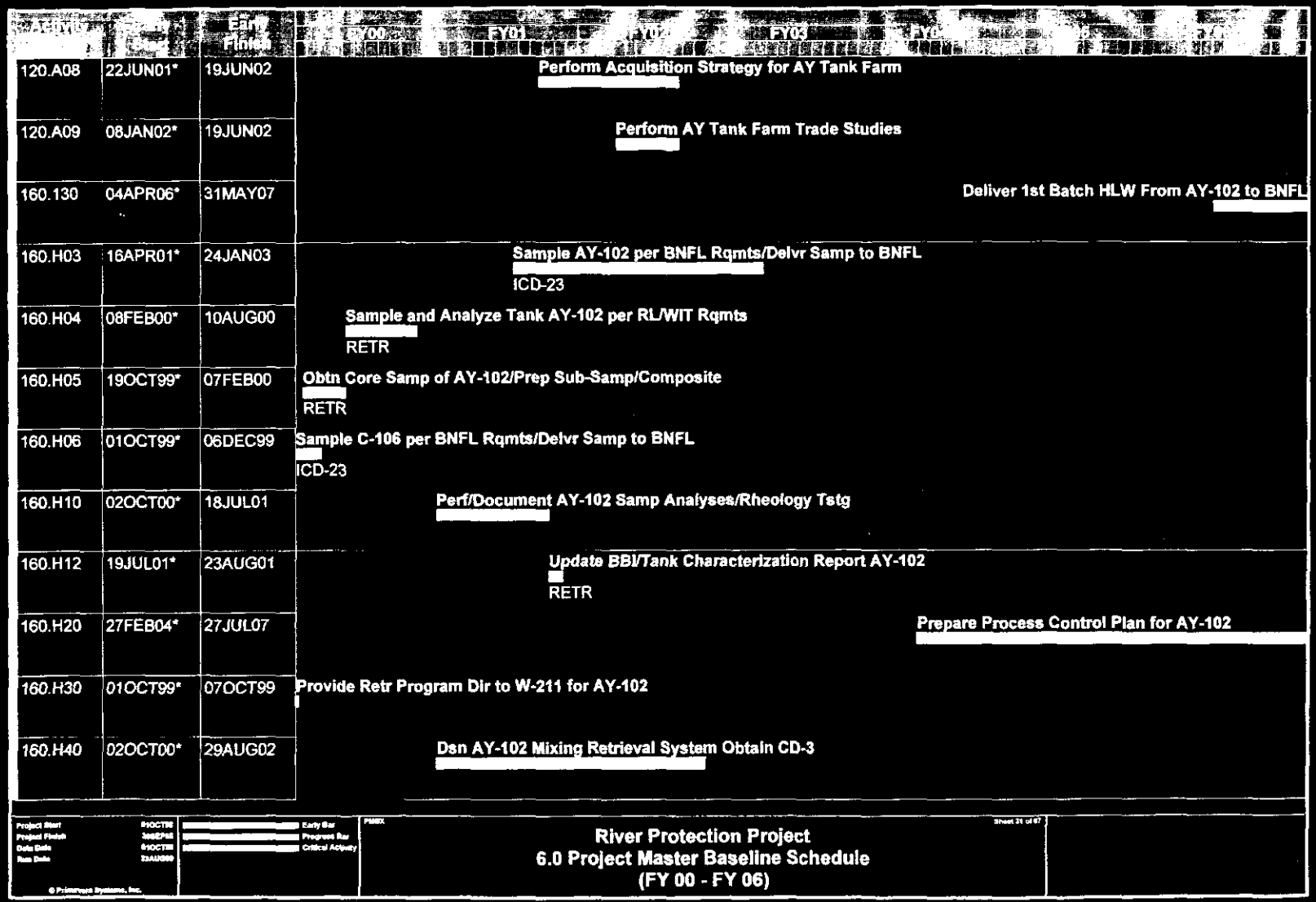
RETR

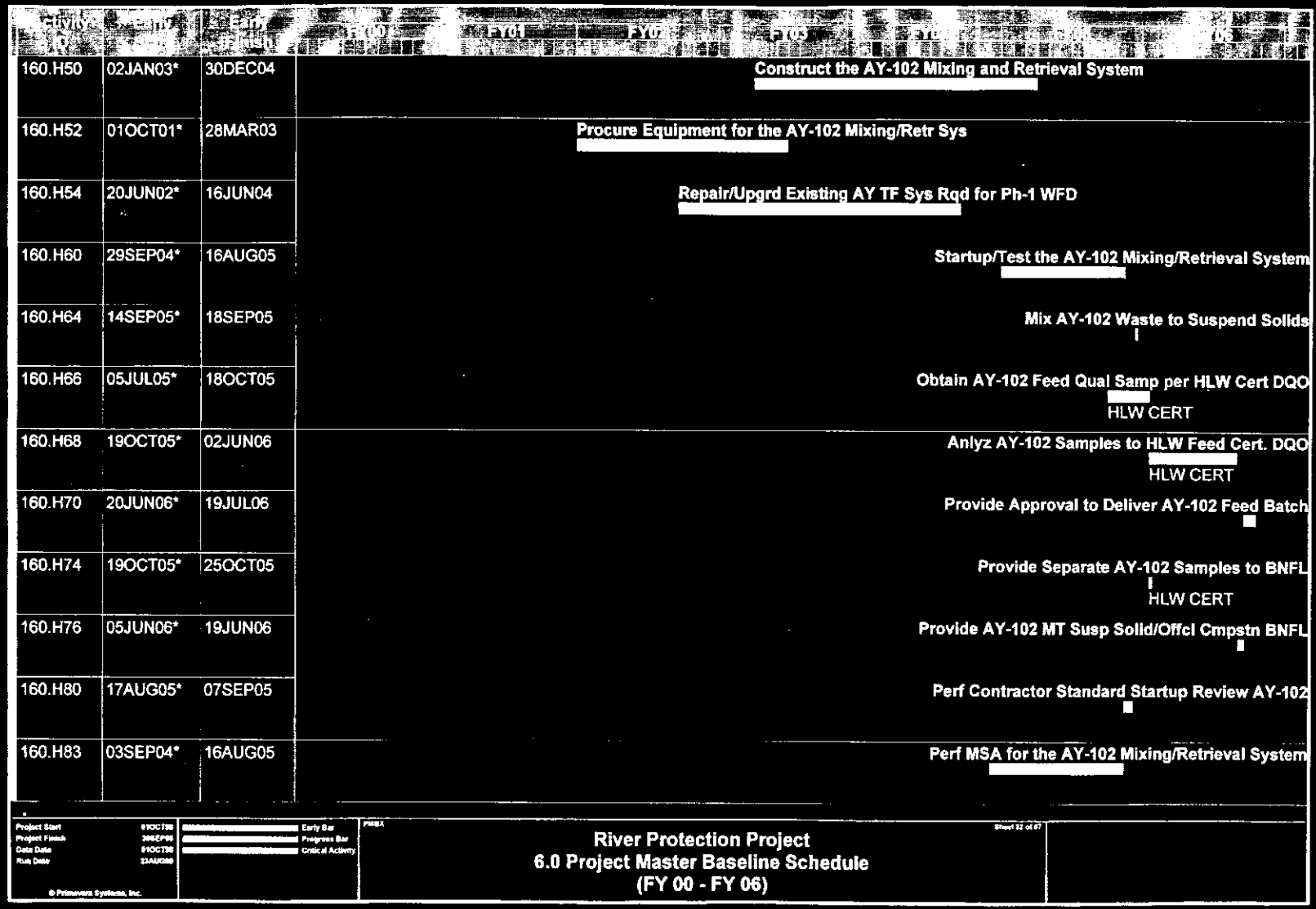
RETR

T04-00-100ROX

River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


160.F64 11FEB05* 15FEB05
Mix AZ-102 Waste to Suspend Solids
160.F66 29NOV04* 17MAR05
Obtain AZ-102 Feed Qual Samp per HLW Cert DQO
HLW CERT
160.F68 18MAR05* 26OCT05
Anlyz AZ-102 Samples to HLW Feed Cert. DQO
HLW CERT
160.F70 11NOV05* 10DEC05
Provide Approval to Transfer AZ-102 Feed
160.F74 18MAR05* 24MAR05
Provide Separate AZ-102 Samples to BNFL
HLW CERT
160.F76 27OCT05* 10NOV05
Provide AZ-102 MT Susp Solid/Offcl Cmpstn BNFL
160.F80 18JAN05* 07FEB05
Perf Contractor Standard Startup Review AZ-102
160.F83 07AUG03* 17JAN05
Perf MSA for the AZ-102 Mixing/Retrieval System
160.F90 08FEB05* 10FEB05
Provide CD-4 Approval for AZ-102
B3
HLW Tank 3 - AY-102
050.090 01OCT99* 31JAN00
Sluice 241-C-106 to 241-AY-102
120.A07 23OCT00* 05JAN01
Verify AY Tank Farm Sys/Components Functionality
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


Early Finish
FY00
FY01
FY02
FY03
FY04
120.A08 22JUN01* 19JUN02 Perform Acquisition Strategy for AY Tank Farm
120.A09 08JAN02* 19JUN02 Perform AY Tank Farm Trade Studies
160.130 04APR06* 31MAY07 Deliver 1st Batch HLW From AY-102 to BNFL
160.H03 16APR01* 24JAN03 Sample AY-102 per BNFL Rqmts/Delvr Samp to BNFL
ICD-23
160.H04 08FEB00* 10AUG00 Sample and Analyze Tank AY-102 per RL/WIT Rqmts
RETR
160.H05 19OCT99* 07FEB00 Obtn Core Samp of AY-102/Prep Sub-Samp/Composite
RETR
160.H06 01OCT99* 06DEC99 Sample C-106 per BNFL Rqmts/Delvr Samp to BNFL
ICD-23
160.H10 02OCT00* 18JUL01 Perf/Document AY-102 Samp Analyses/Rheology Tstg
160.H12 19JUL01* 23AUG01 Update BBI/Tank Characterization Report AY-102
RETR
160.H20 27FEB04* 27JUL07 Prepare Process Control Plan for AY-102
160.H30 01OCT99* 07OCT99 Provide Retr Program Dir to W-211 for AY-102
160.H40 02OCT00* 29AUG02 Dsn AY-102 Mixing Retrieval System Obtain CD-3
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


160.H50 02JAN03* 30DEC04 Construct the AY-102 Mixing and Retrieval System
160.H52 01OCT01* 28MAR03 Procure Equipment for the AY-102 Mixing/Retr Sys
160.H54 20JUN02* 16JUN04 Repair/Upgrd Existing AY TF Sys Rqd for Ph-1 WFD
160.H60 29SEP04* 16AUG05 Startup/Test the AY-102 Mixing/Retrieval System
160.H64 14SEP05* 18SEP05 Mix AY-102 Waste to Suspend Solids
160.H66 05JUL05* 18OCT05 Obtain AY-102 Feed Qual Samp per HLW Cert DQO
HLW CERT
160.H68 19OCT05* 02JUN06 Anlyz AY-102 Samples to HLW Feed Cert. DQO
HLW CERT
160.H70 20JUN06* 19JUL06 Provide Approval to Deliver AY-102 Feed Batch
160.H74 19OCT05* 25OCT05 Provide Separate AY-102 Samples to BNFL
HLW CERT
160.H76 05JUN06* 19JUN06 Provide AY-102 MT Susp Solid/Offcl Cmpstn BNFL
160.H80 17AUG05* 07SEP05 Perf Contractor Standard Startup Review AY-102
160.H83 03SEP04* 16AUG05 Perf MSA for the AY-102 Mixing/Retrieval System
Project Start 01OCT00
Project Finish 30SEP06
Data Date 01OCT00
Run Date 23AUG00
Early Bar
Progress Bar
Critical Activity
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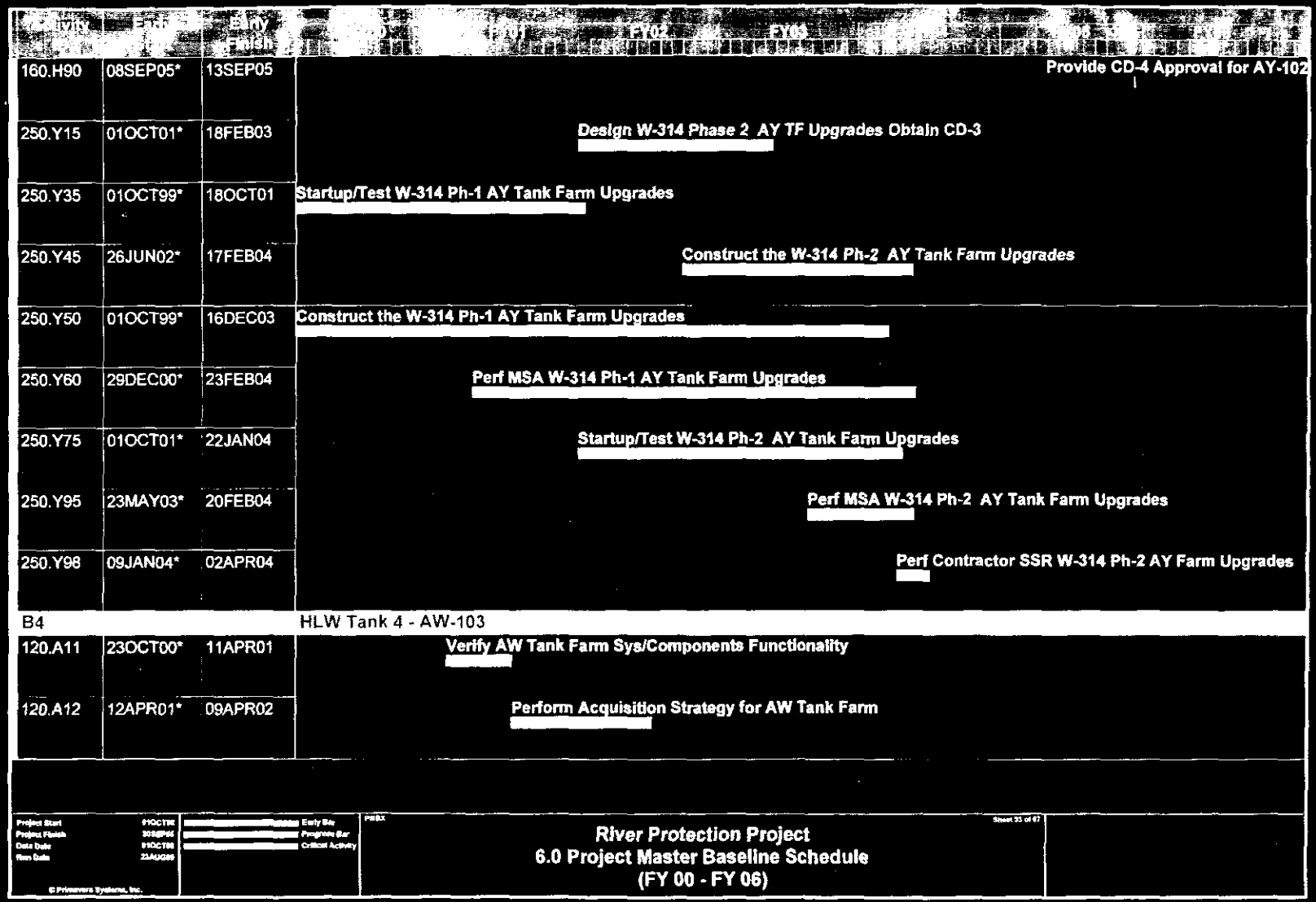
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


B Key Finish
FY01
FY02
FY03
160.H90 08SEP05* 13SEP05 Provide CD-4 Approval for AY-102
250.Y15 01OCT01* 18FEB03 Design W-314 Phase 2 AY TF Upgrades Obtain CD-3
250.Y35 01OCT99* 18OCT01 Startup/Test W-314 Ph-1 AY Tank Farm Upgrades
250.Y45 26JUN02* 17FEB04 Construct the W-314 Ph-2 AY Tank Farm Upgrades
250.Y50 01OCT99* 16DEC03 Construct the W-314 Ph-1 AY Tank Farm Upgrades
250.Y60 29DEC00* 23FEB04 Perf MSA W-314 Ph-1 AY Tank Farm Upgrades
250.Y75 01OCT01* 22JAN04 Startup/Test W-314 Ph-2 AY Tank Farm Upgrades
250.Y95 23MAY03* 20FEB04 Perf MSA W-314 Ph-2 AY Tank Farm Upgrades
250.Y98 09JAN04* 02APR04 Perf Contractor SSR W-314 Ph-2 AY Farm Upgrades
B4 HLW Tank 4 - AW-103
120.A11 23OCT00* 11APR01 Verify AW Tank Farm Sys/Components Functionality
120.A12 12APR01* 09APR02 Perform Acquisition Strategy for AW Tank Farm
Project Start 01OCT99
Project Finish 30SEP04
Data Date 01OCT99
Run Date 22AUG99
Early Bar
Progress Bar
Critical Activity
PRBX
Sheet 33 of 67
River Protection Project
6.0 Project Master Baseline Schedule
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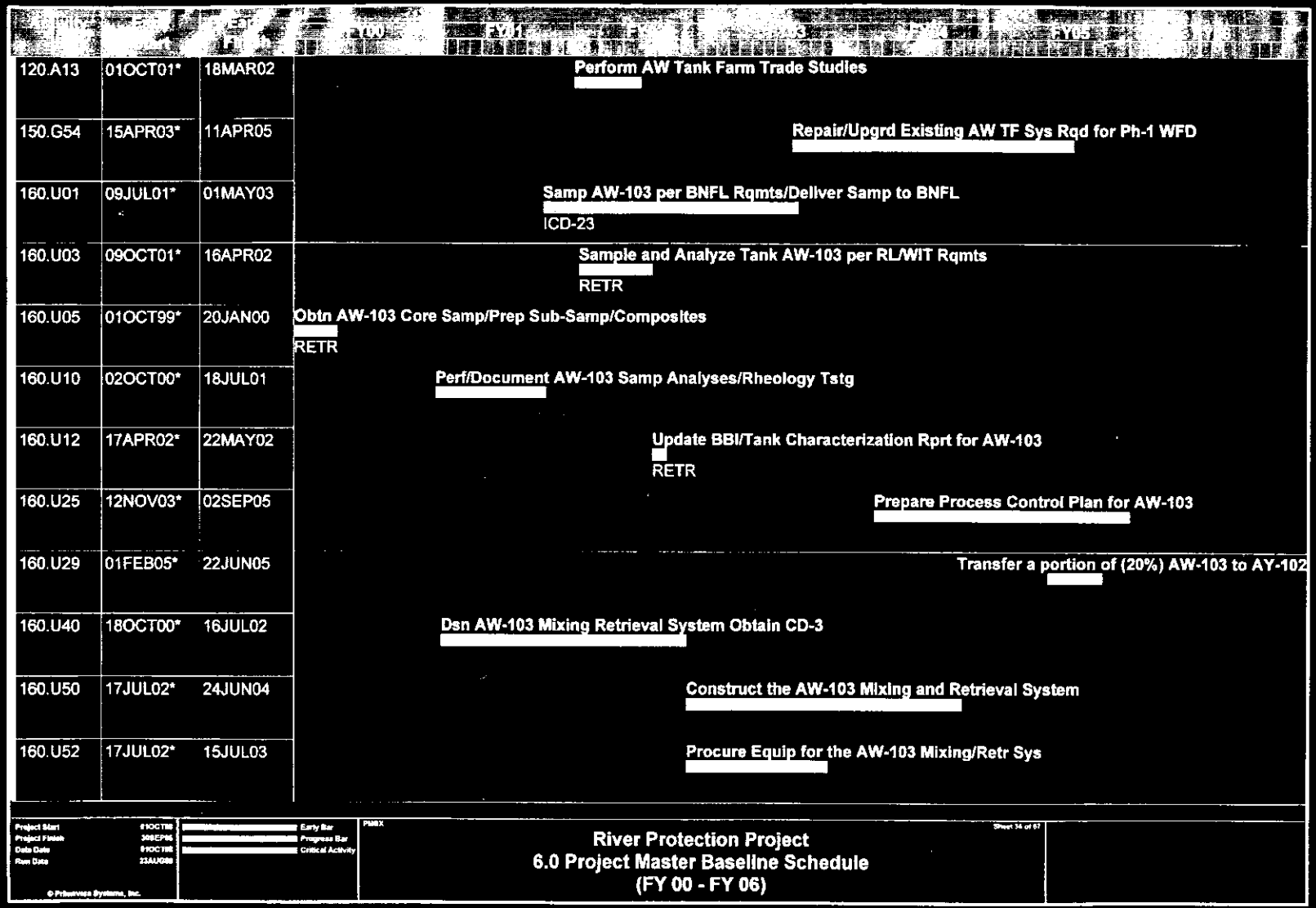
FY 00
FY 01
FY 02
FY 03
FY 04
FY 05
120.A13 01OCT01* 18MAR02 Perform AW Tank Farm Trade Studies
150.G54 15APR03* 11APR05 Repair/Upgrd Existing AW TF Sys Rqd for Ph-1 WFD
160.U01 09JUL01* 01MAY03 Samp AW-103 per BNFL Rqmts/Deliver Samp to BNFL
ICD-23
160.U03 09OCT01* 16APR02 Sample and Analyze Tank AW-103 per RL/WIT Rqmts
RETR
160.U05 01OCT99* 20JAN00 Obtn AW-103 Core Samp/Prep Sub-Samp/Composites
RETR
160.U10 02OCT00* 18JUL01 Perf/Document AW-103 Samp Analyses/Rheology Tstg
160.U12 17APR02* 22MAY02 Update BBI/Tank Characterization Rprt for AW-103
RETR
160.U25 12NOV03* 02SEP05 Prepare Process Control Plan for AW-103
160.U29 01FEB05* 22JUN05 Transfer a portion of (20%) AW-103 to AY-102
160.U40 18OCT00* 16JUL02 Dsn AW-103 Mixing Retrieval System Obtain CD-3
160.U50 17JUL02* 24JUN04 Construct the AW-103 Mixing and Retrieval System
160.U52 17JUL02* 15JUL03 Procure Equip for the AW-103 Mixing/Retr Sys
Project Start 01OCT99
Project Finish 30SEP05
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
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PMBX
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160.U60	29MAR04*	11FEB05	Startup/Test the AW-103 Mixing/Retrieval System
160.U64	10JUN05*	14JUN05	Mix AW-103 Waste to Suspend Solids
160.U72	08FEB06*	13JUL06	Transfer a portion of (30%) AW-103 to AY-101
160.U75	16FEB06*	26NOV06	Xfer portion 40% AW-103 to AZ-101 Blend SY-102
160.U80	14FEB05*	07MAR05	Perform Contractor SSR for AW-103
160.U83	18NOV03*	11FEB05	Perform MSA for the AW-103 Mixing/Retrieval Sys
160.U90	08MAR05*	04APR05	Provide CD4 Approval for AW-103
250.4E5	02OCT00*	01FEB01	Prep AW TF Areas for Turnover to Proj for Constr
250.W15	01OCT01*	30SEP02	Design W-314 Ph-2 AW TF Upgrades Obtain CD-3
250.W35	06MAR00*	15OCT02	Startup/Tst W-314 Ph-1 AW TF(AW-A & AW-B Pit)Upg
250.W45	01OCT02*	30NOV04	Construct the W-314 Ph-2 AW Tank Farm Upgrades
250.W50	02OCT00*	24SEP04	Construct W-314 Ph-1 AW TF AW-A/AW-B Pit Upgr

Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 03AUG99

Early Bar
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Filter

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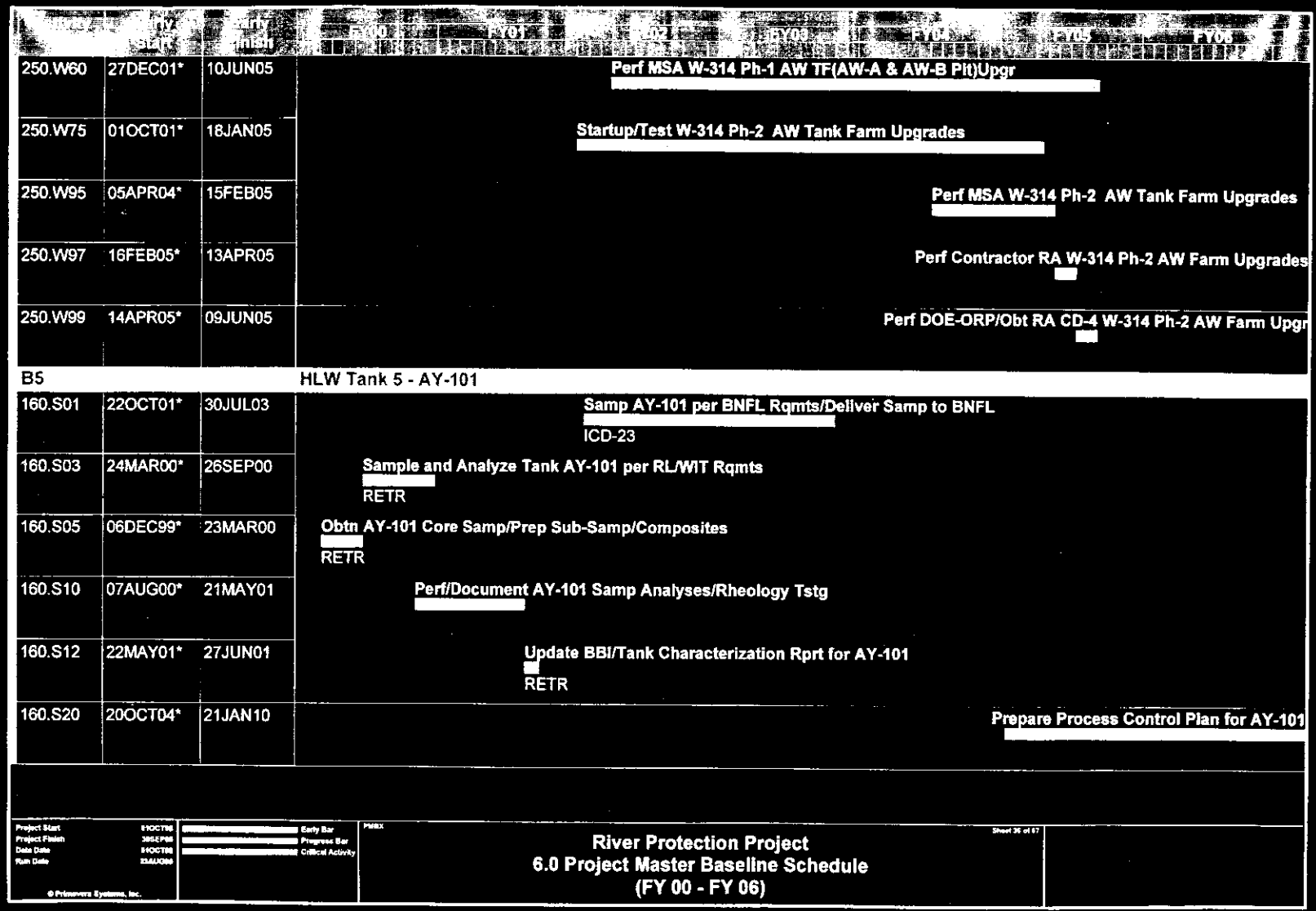
FY00
FY01
FY02
FY03
FY04
FY05
FY06
250.W60 27DEC01* 10JUN05
Perf MSA W-314 Ph-1 AW TF(AW-A & AW-B Pit)Upgr
250.W75 01OCT01* 18JAN05
Startup/Test W-314 Ph-2 AW Tank Farm Upgrades
250.W95 05APR04* 15FEB05
Perf MSA W-314 Ph-2 AW Tank Farm Upgrades
250.W97 16FEB05* 13APR05
Perf Contractor RA W-314 Ph-2 AW Farm Upgrades
250.W99 14APR05* 09JUN05
Perf DOE-ORP/Obt RA CD-4 W-314 Ph-2 AW Farm Upgr
B5
HLW Tank 5 - AY-101
160.S01 22OCT01* 30JUL03
Samp AY-101 per BNFL Rqmts/Deliver Samp to BNFL
ICD-23
160.S03 24MAR00* 26SEP00
Sample and Analyze Tank AY-101 per RL/WIT Rqmts
RETR
160.S05 06DEC99* 23MAR00
Obtn AY-101 Core Samp/Prep Sub-Samp/Composites
RETR
160.S10 07AUG00* 21MAY01
Perf/Document AY-101 Samp Analyses/Rheology Tstg
160.S12 22MAY01* 27JUN01
Update BBI/Tank Characterization Rprt for AY-101
RETR
160.S20 20OCT04* 21JAN10
Prepare Process Control Plan for AY-101
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
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160.S40	01APR02*	26SEP03	Dsn AY-101 Mixing Retrieval System Obtain CD-3
160.S50	29SEP03*	26SEP05	Construct the AY-101 Mixing and Retrieval System
160.S52	01OCT03*	30SEP04	Procure Equip for the AY-101 Mixing/Retr Sys
160.S60	28JUN05*	15MAY06	Startup/Test the AY-101 Mixing/Retrieval System
160.S64	09JUL06*	13JUL06	Mix AY-101/AW-103 Waste to Suspend Solids
160.S66	28APR06*	14AUG06	Obtain AY-101/AW-103 Qual Samp per HLW Cert. DQO HLW CERT
160.S68	15AUG06*	29MAR07	Anlyz AY-101/AW-103 Samp to HLW Feed Cert. DQO HLW CERT
160.S74	15AUG06*	21AUG06	Provide Separate AY-101/AW-103 Samples to BNFL HLW CERT
160.S80	16MAY06*	06JUN06	Perf Contractor Standard Startup Review AY-101
160.S83	11MAR05*	15MAY06	Perf MSA for the AY-101 Mixing/Retrieval System
160.S90	07JUN06*	05JUL06	Provide CD-4 Approval for AY-101

Project Start 01OCT98 | Early Bar
Project Finish 30SEP06 | Progress Bar
Data Date 01OCT99 | Critical Activity
Run Date 22AUG99
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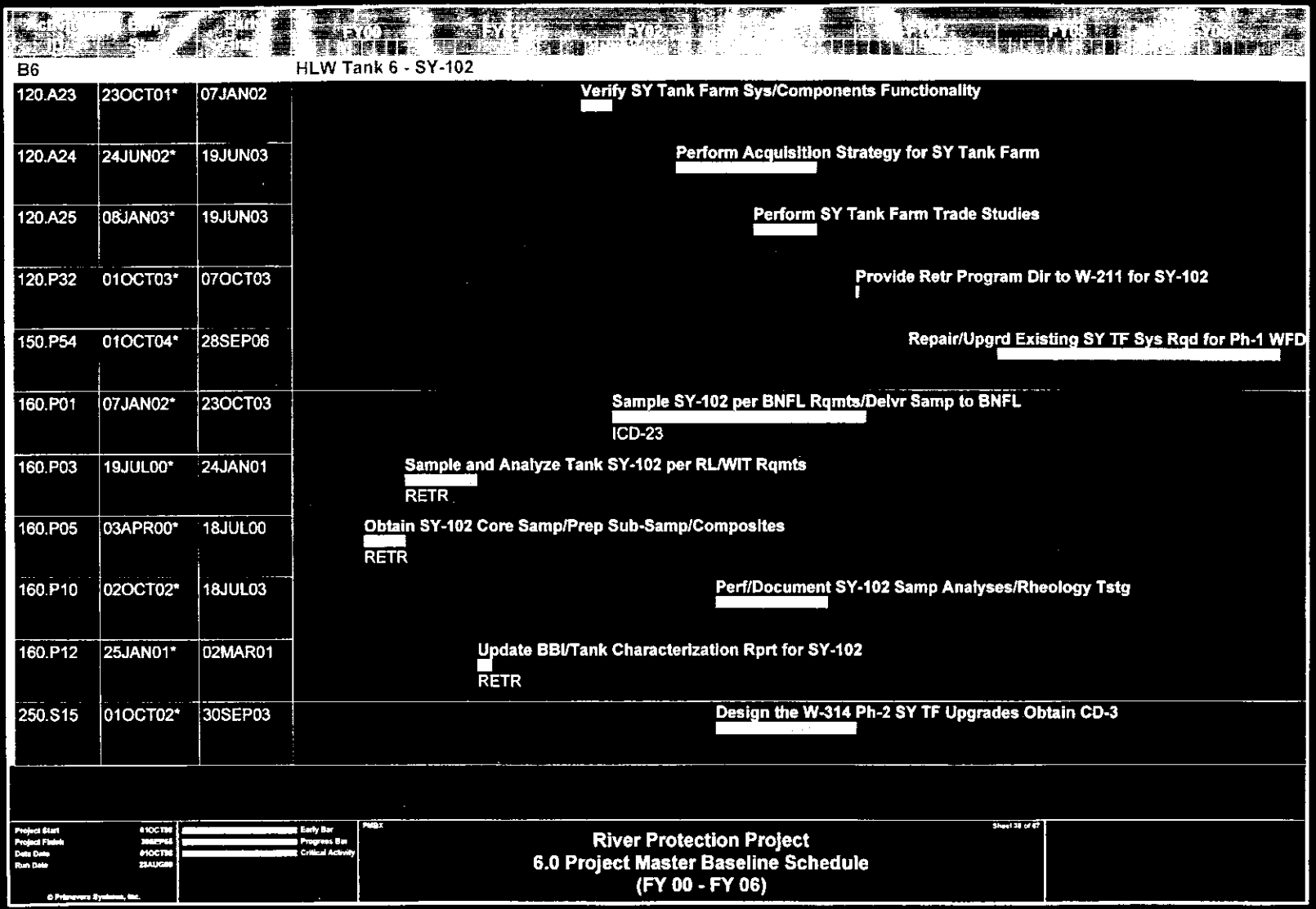
(FY 00 - FY 06)


B6
HLW Tank 6 - SY-102
120.A23 23OCT01* 07JAN02 Verify SY Tank Farm Sys/Components Functionality
120.A24 24JUN02* 19JUN03 Perform Acquisition Strategy for SY Tank Farm
120.A25 08JAN03* 19JUN03 Perform SY Tank Farm Trade Studies
120.P32 01OCT03* 07OCT03 Provide Retr Program Dir to W-211 for SY-102
150.P54 01OCT04* 28SEP06 Repair/Upgrd Existing SY TF Sys Rqd for Ph-1 WFD
160.P01 07JAN02* 23OCT03 Sample SY-102 per BNFL Rqmts/Delvr Samp to BNFL
ICD-23
160.P03 19JUL00* 24JAN01 Sample and Analyze Tank SY-102 per RL/WIT Rqmts
RETR
160.P05 03APR00* 18JUL00 Obtain SY-102 Core Samp/Prep Sub-Samp/Composites
RETR
160.P10 02OCT02* 18JUL03 Perf/Document SY-102 Samp Analyses/Rheology Tstg
160.P12 25JAN01* 02MAR01 Update BBI/Tank Characterization Rprt for SY-102
RETR
250.S15 01OCT02* 30SEP03 Design the W-314 Ph-2 SY TF Upgrades Obtain CD-3
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
PMBX
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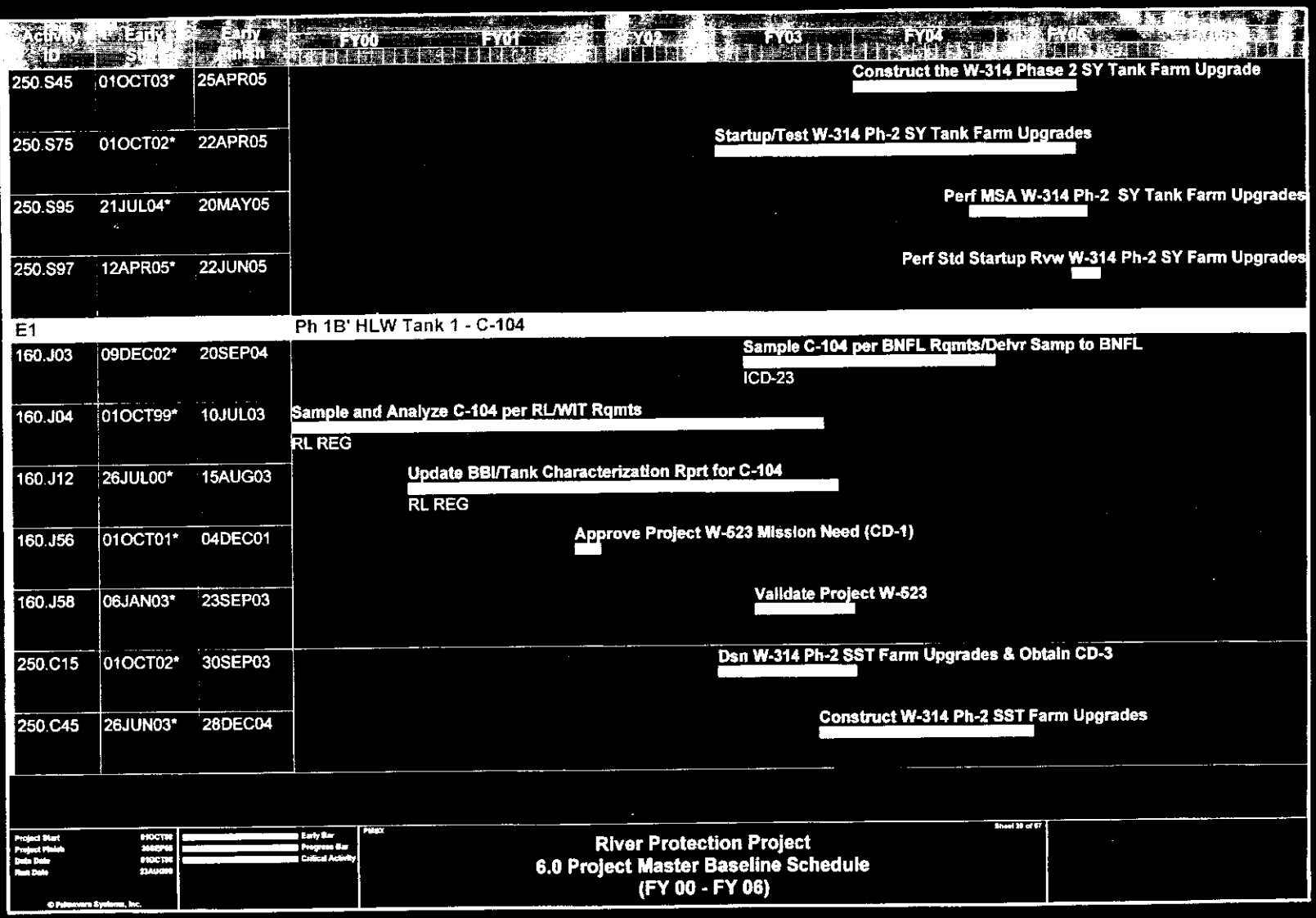
(FY 00 - FY 06)


Activity ID
Early Start
Early Finish
FY00
FY01
FY02
FY03
FY04
FY05
250.S45 01OCT03* 25APR05
Construct the W-314 Phase 2 SY Tank Farm Upgrade
250.S75 01OCT02* 22APR05
Startup/Test W-314 Ph-2 SY Tank Farm Upgrades
250.S95 21JUL04* 20MAY05
Perf MSA W-314 Ph-2 SY Tank Farm Upgrades
250.S97 12APR05* 22JUN05
Perf Std Startup Rvw W-314 Ph-2 SY Farm Upgrades
E1
Ph 1B' HLW Tank 1 - C-104
160.J03 09DEC02* 20SEP04
Sample C-104 per BNFL Rqmts/Delvr Samp to BNFL
ICD-23
160.J04 01OCT99* 10JUL03
Sample and Analyze C-104 per RL/WIT Rqmts
RL REG
160.J12 26JUL00* 15AUG03
Update BBI/Tank Characterization Rprt for C-104
RL REG
160.J56 01OCT01* 04DEC01
Approve Project W-523 Mission Need (CD-1)
160.J58 06JAN03* 23SEP03
Validate Project W-523
250.C15 01OCT02* 30SEP03
Dsn W-314 Ph-2 SST Farm Upgrades & Obtain CD-3
250.C45 26JUN03* 28DEC04
Construct W-314 Ph-2 SST Farm Upgrades
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
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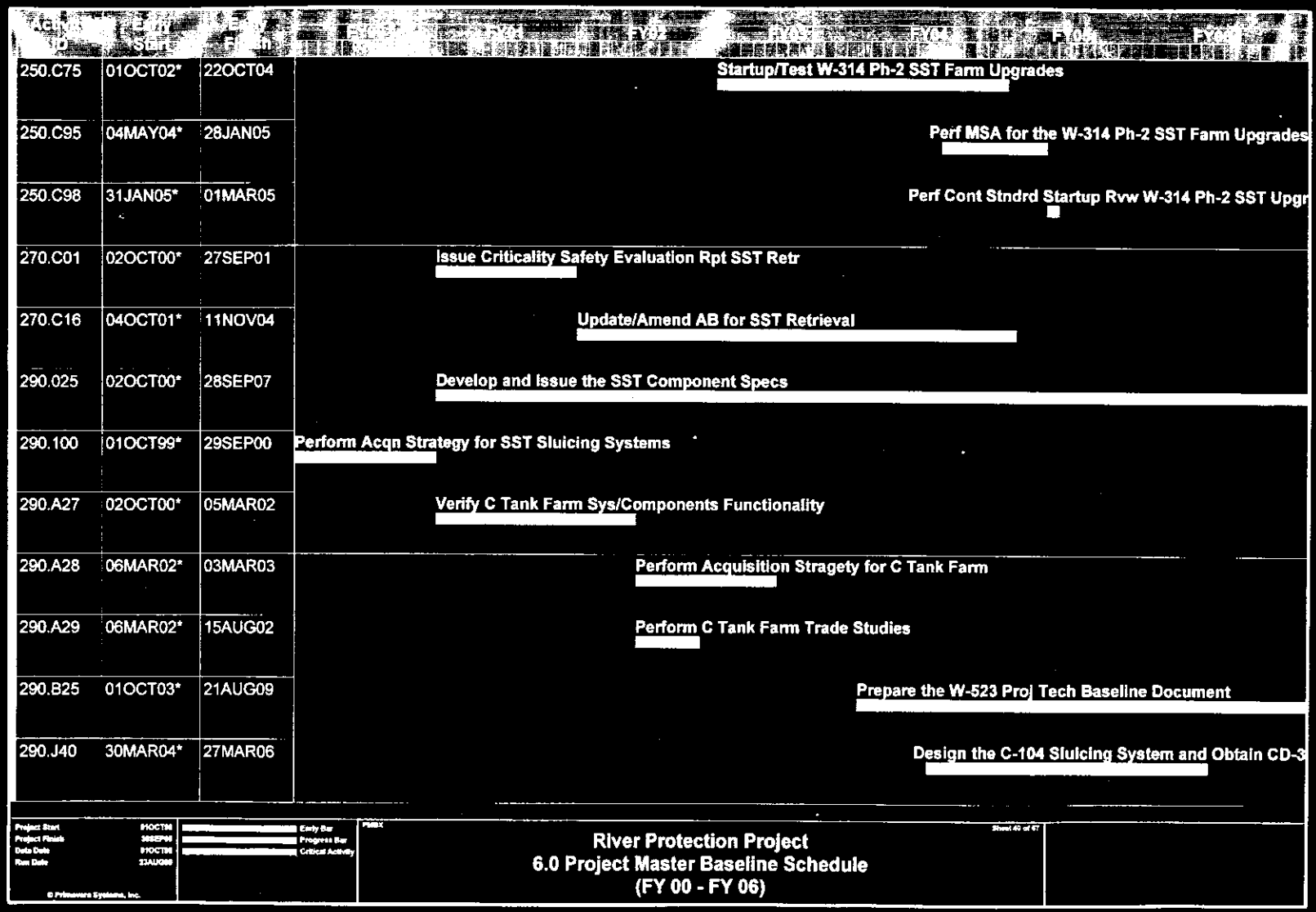
Activity ID
Early Start
Early Finish
FY01
FY02
FY03
FY04
FY05
FY06
250.C75 01OCT02* 22OCT04 Startup/Test W-314 Ph-2 SST Farm Upgrades
250.C95 04MAY04* 28JAN05 Perf MSA for the W-314 Ph-2 SST Farm Upgrades
250.C98 31JAN05* 01MAR05 Perf Cont Stndrd Startup Rvw W-314 Ph-2 SST Upgr
270.C01 02OCT00* 27SEP01 Issue Criticality Safety Evaluation Rpt SST Retr
270.C16 04OCT01* 11NOV04 Update/Amend AB for SST Retrieval
290.025 02OCT00* 28SEP07 Develop and Issue the SST Component Specs
290.100 01OCT99* 29SEP00 Perform Acqn Strategy for SST Sluicing Systems
290.A27 02OCT00* 05MAR02 Verify C Tank Farm Sys/Components Functionality
290.A28 06MAR02* 03MAR03 Perform Acquisition Stragety for C Tank Farm
290.A29 06MAR02* 15AUG02 Perform C Tank Farm Trade Studies
290.B25 01OCT03* 21AUG09 Prepare the W-523 Proj Tech Baseline Document
290.J40 30MAR04* 27MAR06 Design the C-104 Sluicing System and Obtain CD-3
Project Start 01OCT99
Project Finish 30SEP09
Data Date 01OCT99
Run Date 21AUG09
Early Bar
Progress Bar
Critical Activity
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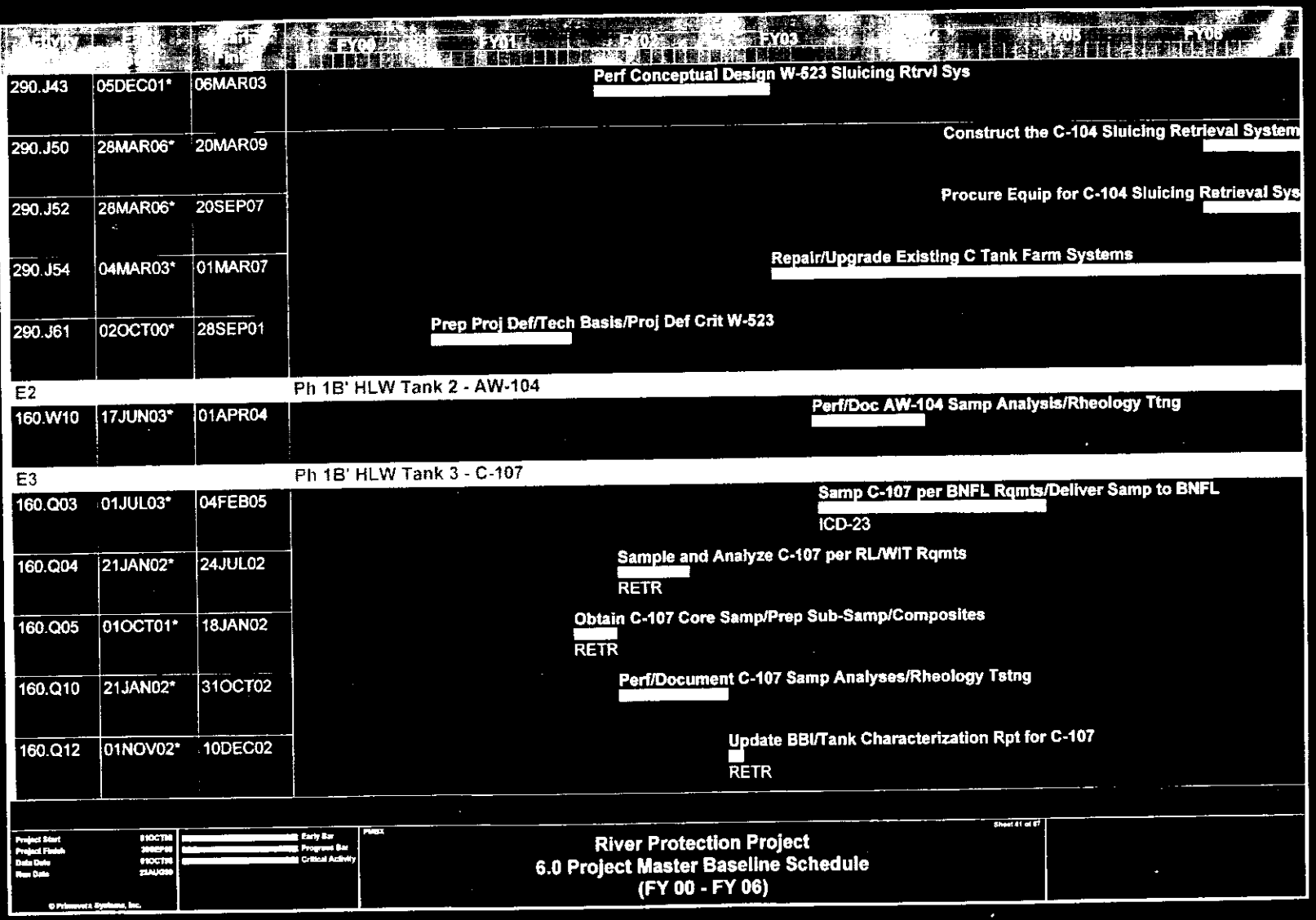
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY00
FY01
FY02
FY03
FY05
FY06
290.J43 05DEC01* 06MAR03
Perf Conceptual Design W-523 Sluicing Rtrvl Sys
290.J50 28MAR06* 20MAR09
Construct the C-104 Sluicing Retrieval System
290.J52 28MAR06* 20SEP07
Procure Equip for C-104 Sluicing Retrieval Sys
290.J54 04MAR03* 01MAR07
Repair/Upgrade Existing C Tank Farm Systems
290.J61 02OCT00* 28SEP01
Prep Proj Def/Tech Basis/Proj Def Crit W-523
E2
Ph 1B' HLW Tank 2 - AW-104
160.W10 17JUN03* 01APR04
Perf/Doc AW-104 Samp Analysis/Rheology Ttng
E3
Ph 1B' HLW Tank 3 - C-107
160.Q03 01JUL03* 04FEB05
Samp C-107 per BNFL Rqmts/Deliver Samp to BNFL
ICD-23
160.Q04 21JAN02* 24JUL02
Sample and Analyze C-107 per RL/WIT Rqmts
RETR
160.Q05 01OCT01* 18JAN02
Obtain C-107 Core Samp/Prep Sub-Samp/Composites
RETR
160.Q10 21JAN02* 31OCT02
Perf/Document C-107 Samp Analyses/Rheology Tstng
160.Q12 01NOV02* 10DEC02
Update BBI/Tank Characterization Rpt for C-107
RETR
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 22AUG00
Early Bar
Progress Bar
Critical Activity
PMBX
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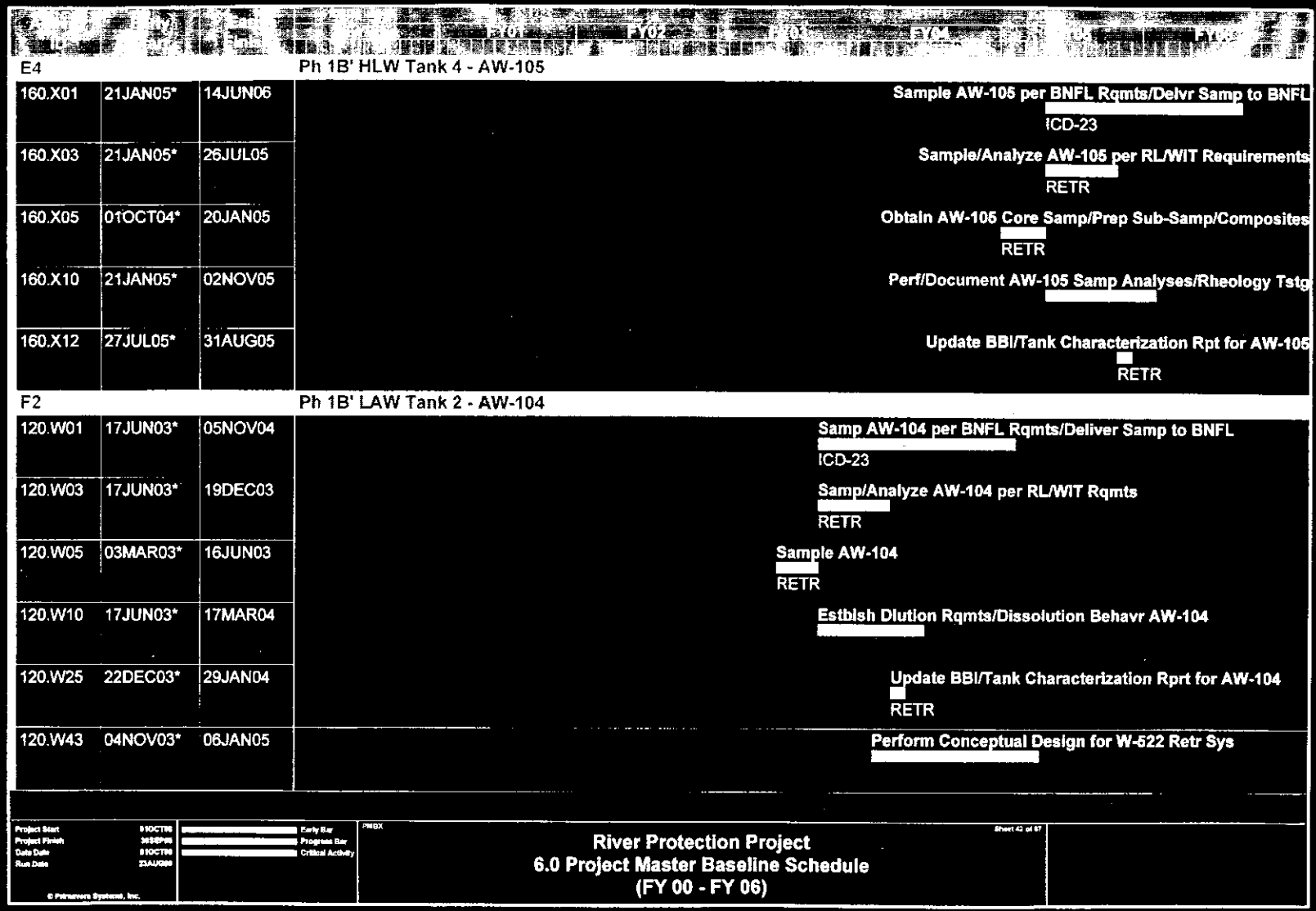
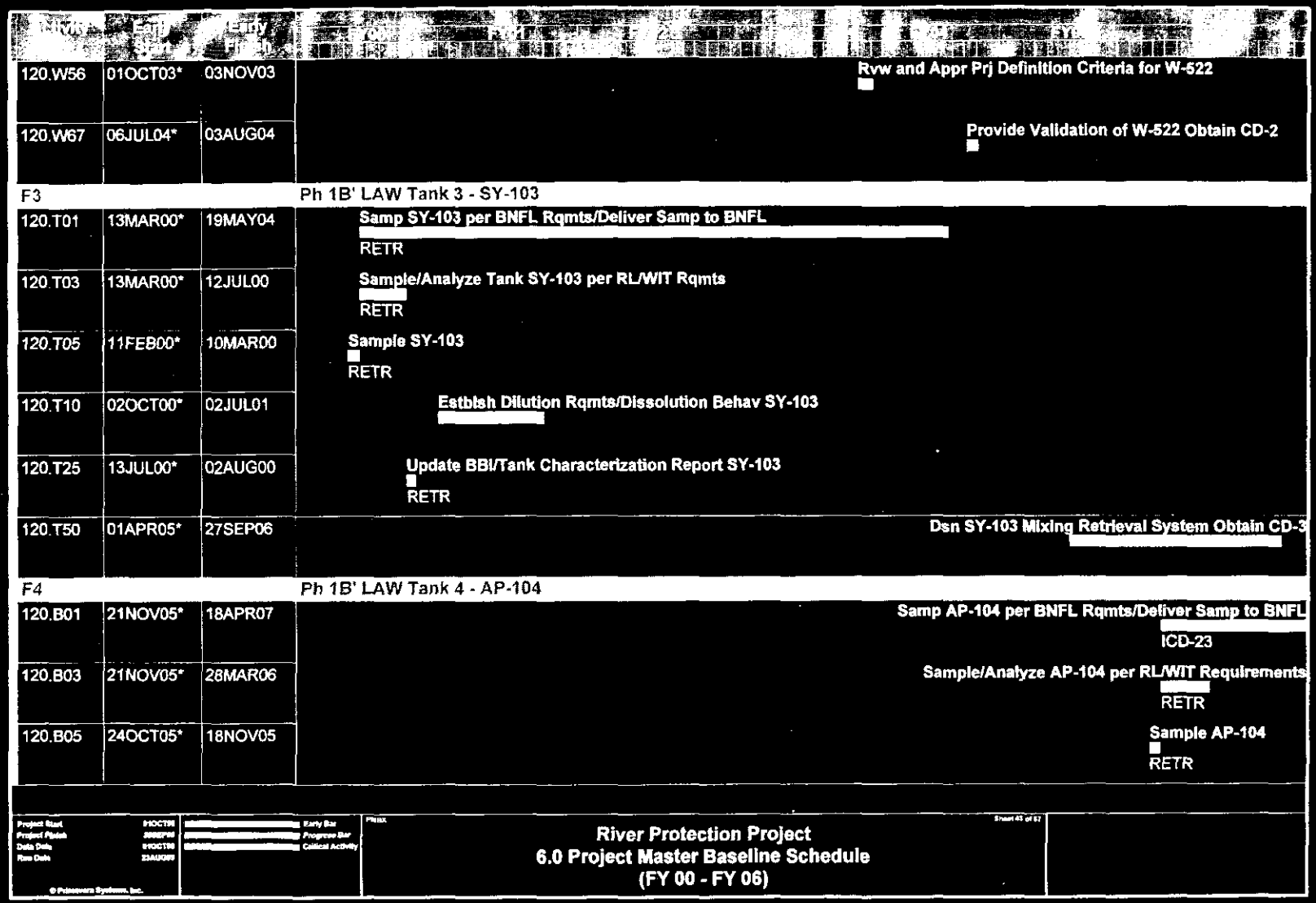
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


E4
Ph 1B' HLW Tank 4 - AW-105
160.X01 21JAN05* 14JUN06
Sample AW-105 per BNFL Rqmts/Delvr Samp to BNFL
ICD-23
160.X03 21JAN05* 26JUL05
Sample/Analyze AW-105 per RL/WIT Requirements
RETR
160.X05 01OCT04* 20JAN05
Obtain AW-105 Core Samp/Prep Sub-Samp/Composites
RETR
160.X10 21JAN05* 02NOV05
Perf/Document AW-105 Samp Analyses/Rheology Tstg
160.X12 27JUL05* 31AUG05
Update BBI/Tank Characterization Rpt for AW-105
RETR
F2
Ph 1B' LAW Tank 2 - AW-104
120.W01 17JUN03* 05NOV04
Samp AW-104 per BNFL Rqmts/Deliver Samp to BNFL
ICD-23
120.W03 17JUN03* 19DEC03
Samp/Analyze AW-104 per RL/WIT Rqmts
RETR
120.W05 03MAR03* 16JUN03
Sample AW-104
RETR
120.W10 17JUN03* 17MAR04
Estblsh Dlution Rqmts/Dissolution Behavr AW-104
120.W25 22DEC03* 29JAN04
Update BBI/Tank Characterization Rprt for AW-104
RETR
120.W43 04NOV03* 06JAN05
Perform Conceptual Design for W-522 Retr Sys
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
PMBX
Sheet 43 of 67
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)



Activity ID	Early Start	Early Finish	Activity Description
120.W56	01OCT03*	03NOV03	Rvw and Appr Prj Definition Criteria for W-522
120.W67	06JUL04*	03AUG04	Provide Validation of W-522 Obtain CD-2
F3			Ph 1B' LAW Tank 3 - SY-103
120.T01	13MAR00*	19MAY04	Samp SY-103 per BNFL Rqmts/Deliver Samp to BNFL RETR
120.T03	13MAR00*	12JUL00	Sample/Analyze Tank SY-103 per RL/WIT Rqmts RETR
120.T05	11FEB00*	10MAR00	Sample SY-103 RETR
120.T10	02OCT00*	02JUL01	Estblsh Dilution Rqmts/Dissolution Behav SY-103
120.T25	13JUL00*	02AUG00	Update BBI/Tank Characterization Report SY-103 RETR
120.T50	01APR05*	27SEP06	Dsn SY-103 Mixing Retrieval System Obtain CD-3
F4			Ph 1B' LAW Tank 4 - AP-104
120.B01	21NOV05*	18APR07	Samp AP-104 per BNFL Rqmts/Deliver Samp to BNFL ICD-23
120.B03	21NOV05*	28MAR06	Sample/Analyze AP-104 per RL/WIT Requirements RETR
120.B05	24OCT05*	18NOV05	Sample AP-104 RETR

Project Start 01OCT99 | Early Bar | PRBX | Sheet 45 of 57
Project Finish [redacted] | Progress Bar
Data Date 01OCT99 | Critical Activity
Print Date 23AUG99
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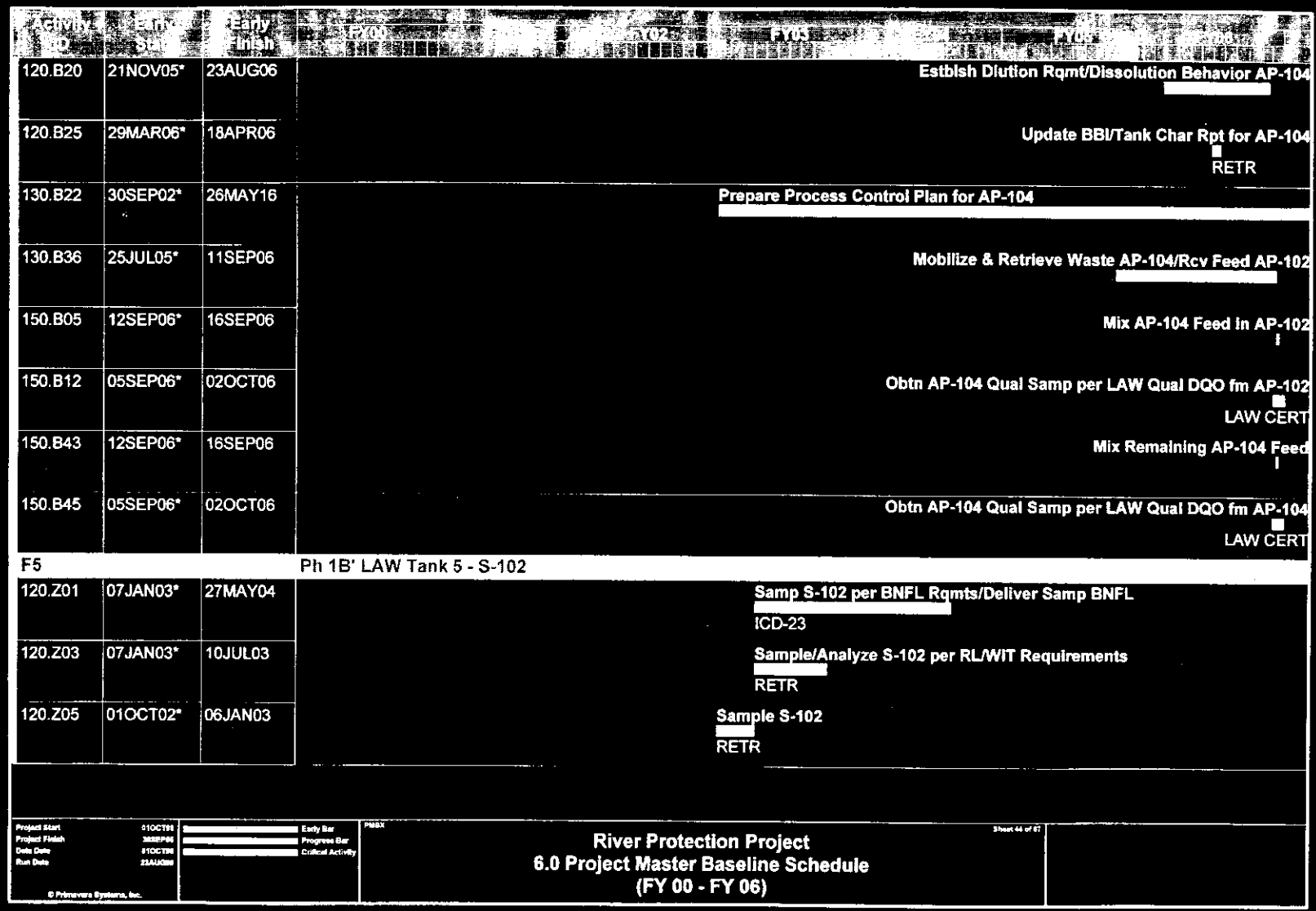
(FY 00 - FY 06)


Activity ID
Early Start
Early Finish
FY00
FY02
FY03
FY04
FY05
FY06
120.B20 21NOV05* 23AUG06
Estblsh Dilution Rqmt/Dissolution Behavior AP-104
120.B25 29MAR06* 18APR06
Update BBI/Tank Char Rpt for AP-104
RETR
130.B22 30SEP02* 26MAY16
Prepare Process Control Plan for AP-104
130.B36 25JUL05* 11SEP06
Mobilize & Retrieve Waste AP-104/Rcv Feed AP-102
150.B05 12SEP06* 16SEP06
Mix AP-104 Feed in AP-102
150.B12 05SEP06* 02OCT06
Obtn AP-104 Qual Samp per LAW Qual DQO fm AP-102
LAW CERT
150.B43 12SEP06* 16SEP06
Mix Remaining AP-104 Feed
150.B45 05SEP06* 02OCT06
Obtn AP-104 Qual Samp per LAW Qual DQO fm AP-104
LAW CERT
F5
Ph 1B' LAW Tank 5 - S-102
120.Z01 07JAN03* 27MAY04
Samp S-102 per BNFL Rqmts/Deliver Samp BNFL
ICD-23
120.Z03 07JAN03* 10JUL03
Sample/Analyze S-102 per RL/WIT Requirements
RETR
120.Z05 01OCT02* 06JAN03
Sample S-102
RETR
Project Start
Project Finish
Data Date
Run Date
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Early Bar
Progress Bar
Critical Activity
PMBX
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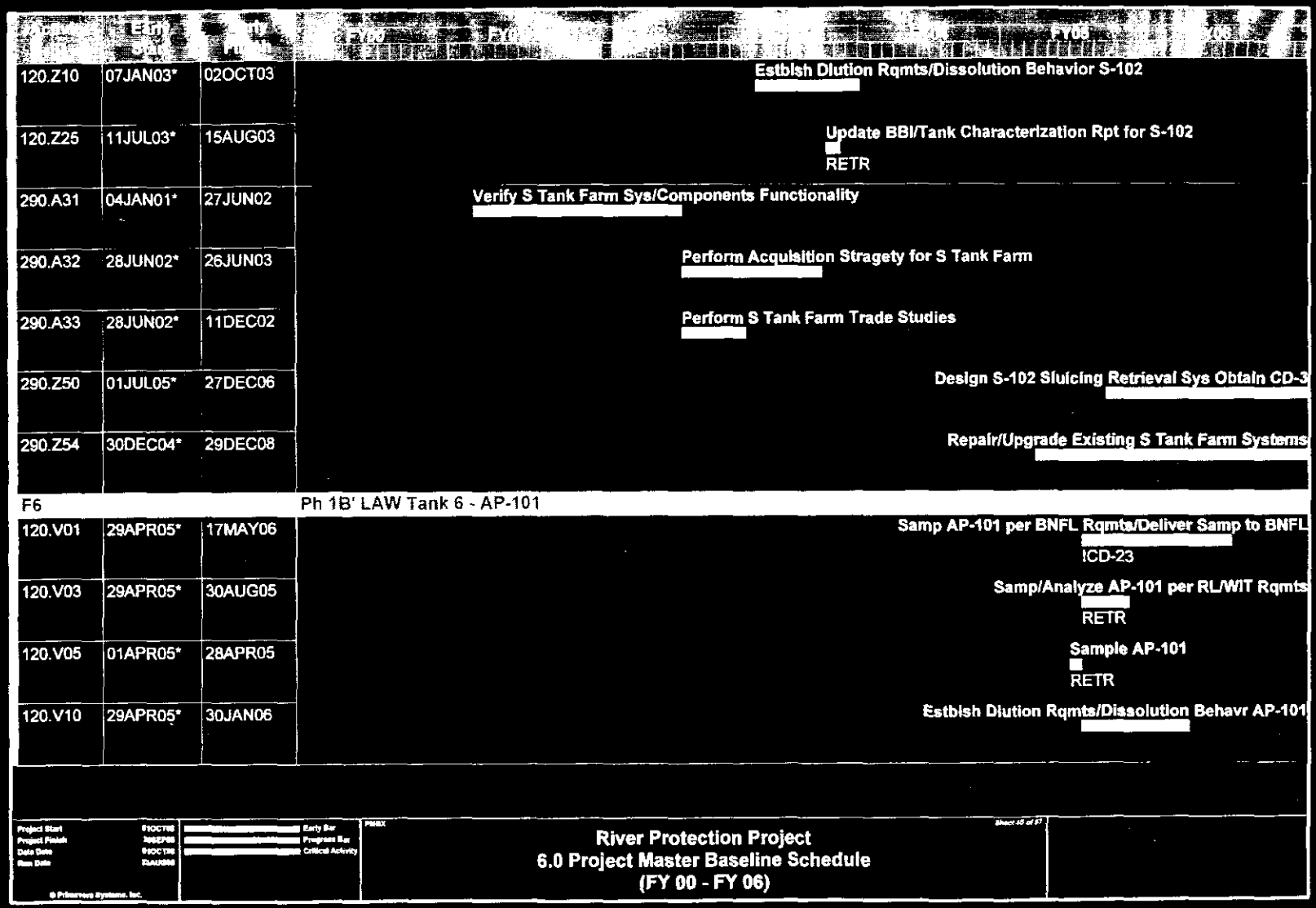
(FY 00 - FY 06)


FY00
FY06
120.Z10 07JAN03* 02OCT03 Estblsh Dlution Rqmts/Dissolution Behavior S-102
120.Z25 11JUL03* 15AUG03 Update BBI/Tank Characterization Rpt for S-102
RETR
290.A31 04JAN01* 27JUN02 Verify S Tank Farm Sys/Components Functionality
290.A32 28JUN02* 26JUN03 Perform Acquisition Stragety for S Tank Farm
290.A33 28JUN02* 11DEC02 Perform S Tank Farm Trade Studies
290.Z50 01JUL05* 27DEC06 Design S-102 Sluicing Retrieval Sys Obtain CD-3
290.Z54 30DEC04* 29DEC08 Repair/Upgrade Existing S Tank Farm Systems
F6 Ph 1B' LAW Tank 6 - AP-101
120.V01 29APR05* 17MAY06 Samp AP-101 per BNFL Rqmts/Deliver Samp to BNFL
ICD-23
120.V03 29APR05* 30AUG05 Samp/Analyze AP-101 per RL/WIT Rqmts
RETR
120.V05 01APR05* 28APR05 Sample AP-101
RETR
120.V10 29APR05* 30JAN06 Estblsh Dlution Rqmts/Dissolution Behavr AP-101
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
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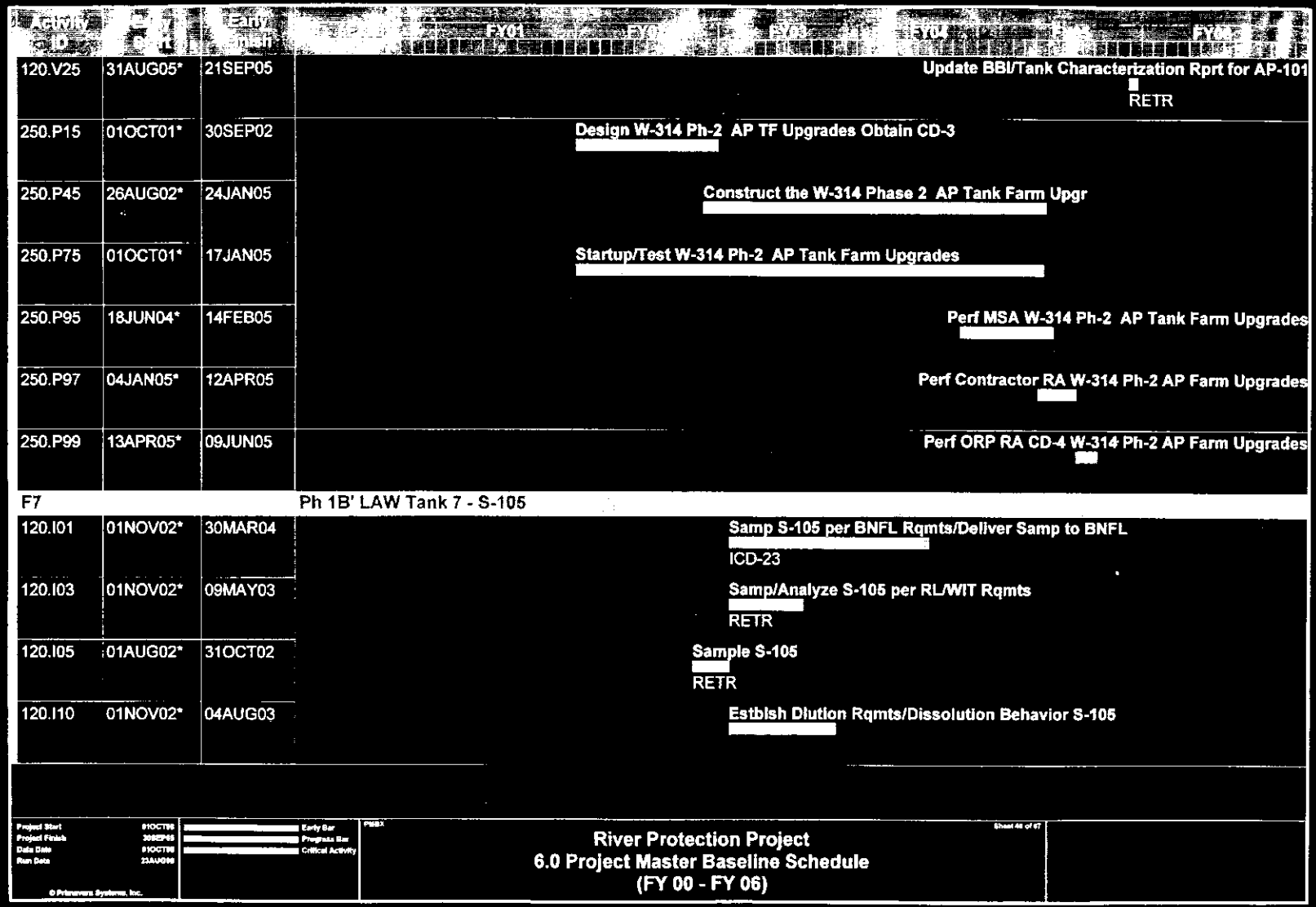
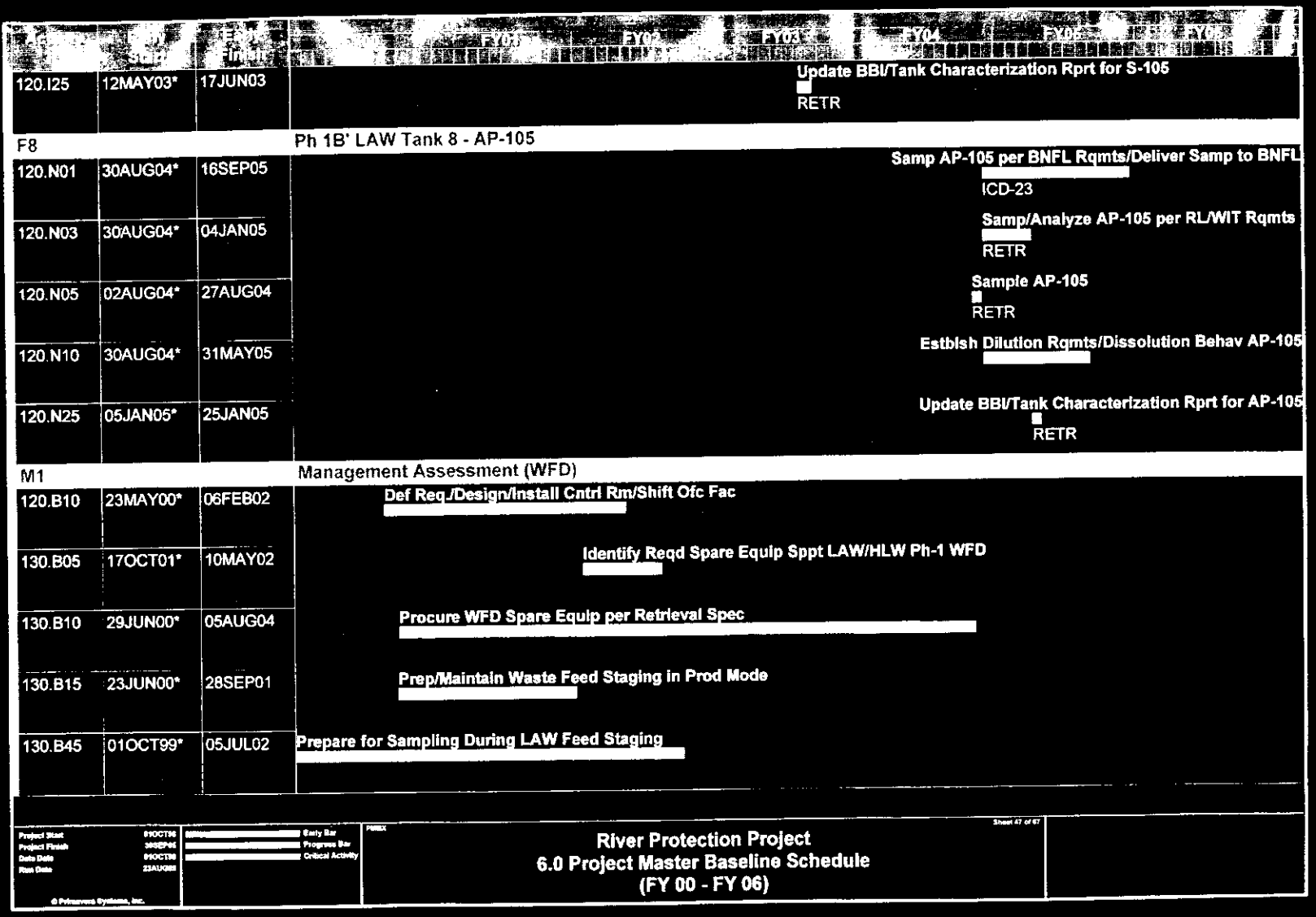
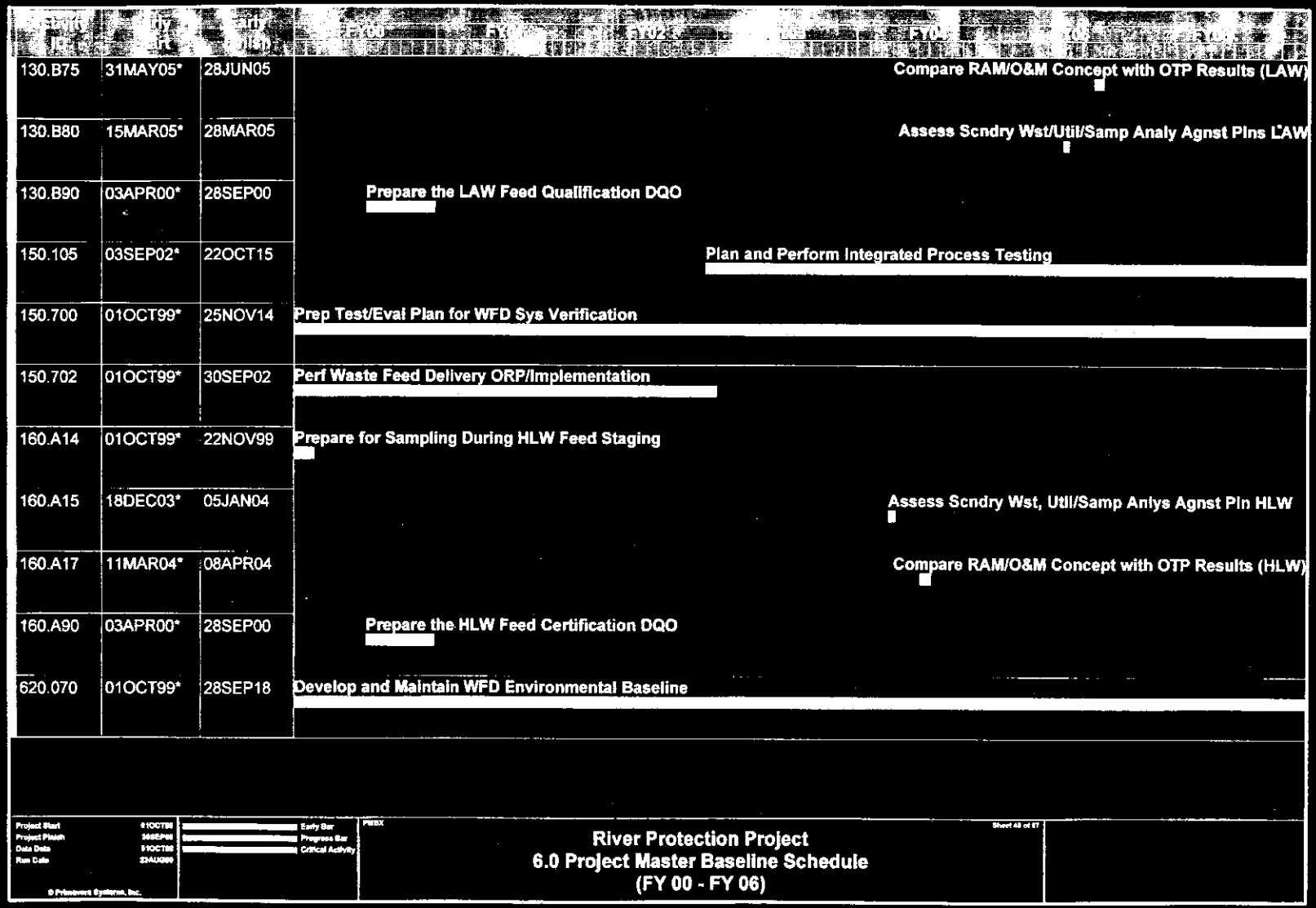

Activity ID
Early Start
FY01
120.V25 31AUG05* 21SEP05
Update BBI/Tank Characterization Rprt for AP-101
RETR
250.P15 01OCT01* 30SEP02
Design W-314 Ph-2 AP TF Upgrades Obtain CD-3
250.P45 26AUG02* 24JAN05
Construct the W-314 Phase 2 AP Tank Farm Upgr
250.P75 01OCT01* 17JAN05
Startup/Test W-314 Ph-2 AP Tank Farm Upgrades
250.P95 18JUN04* 14FEB05
Perf MSA W-314 Ph-2 AP Tank Farm Upgrades
250.P97 04JAN05* 12APR05
Perf Contractor RA W-314 Ph-2 AP Farm Upgrades
250.P99 13APR05* 09JUN05
Perf ORP RA CD-4 W-314 Ph-2 AP Farm Upgrades
F7
Ph 1B' LAW Tank 7 - S-105
120.I01 01NOV02* 30MAR04
Samp S-105 per BNFL Rqmts/Deliver Samp to BNFL
ICD-23
120.I03 01NOV02* 09MAY03
Samp/Analyze S-105 per RL/WIT Rqmts
RETR
120.I05 01AUG02* 31OCT02
Sample S-105
RETR
120.I10 01NOV02* 04AUG03
Estblsh Dilution Rqmts/Dissolution Behavior S-105
Project Start 01OCT99
Project Finish 30SEP05
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
P6BX
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY02
FY03
FY04
FY05
FY06
120.I25 12MAY03* 17JUN03
Update BBI/Tank Characterization Rprt for S-105
RETR
F8
Ph 1B' LAW Tank 8 - AP-105
120.N01 30AUG04* 16SEP05
Samp AP-105 per BNFL Rqmts/Deliver Samp to BNFL
ICD-23
120.N03 30AUG04* 04JAN05
Samp/Analyze AP-105 per RL/WIT Rqmts
RETR
120.N05 02AUG04* 27AUG04
Sample AP-105
RETR
120.N10 30AUG04* 31MAY05
Estblsh Dilution Rqmts/Dissolution Behav AP-105
120.N25 05JAN05* 25JAN05
Update BBI/Tank Characterization Rprt for AP-105
RETR
M1
Management Assessment (WFD)
120.B10 23MAY00* 06FEB02
Def Req./Design/Install Cntrl Rm/Shift Ofc Fac
130.B05 17OCT01* 10MAY02
Identify Reqd Spare Equip Sppt LAW/HLW Ph-1 WFD
130.B10 29JUN00* 05AUG04
Procure WFD Spare Equip per Retrieval Spec
130.B15 23JUN00* 28SEP01
Prep/Maintain Waste Feed Staging in Prod Mode
130.B45 01OCT99* 05JUL02
Prepare for Sampling During LAW Feed Staging
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
PRIMAVERA
Sheet 47 of 67
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


130.B75 31MAY05* 28JUN05 Compare RAM/O&M Concept with OTP Results (LAW)
130.B80 15MAR05* 28MAR05 Assess Scndry Wst/Util/Samp Analy Agnst Plns LAW
130.B90 03APR00* 28SEP00 Prepare the LAW Feed Qualification DQO
150.105 03SEP02* 22OCT15 Plan and Perform Integrated Process Testing
150.700 01OCT99* 25NOV14 Prep Test/Eval Plan for WFD Sys Verification
150.702 01OCT99* 30SEP02 Perf Waste Feed Delivery ORP/Implementation
160.A14 01OCT99* 22NOV99 Prepare for Sampling During HLW Feed Staging
160.A15 18DEC03* 05JAN04 Assess Scndry Wst, Util/Samp Anlys Agnst Pln HLW
160.A17 11MAR04* 08APR04 Compare RAM/O&M Concept with OTP Results (HLW)
160.A90 03APR00* 28SEP00 Prepare the HLW Feed Certification DQO
620.070 01OCT99* 28SEP18 Develop and Maintain WFD Environmental Baseline
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
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PBBX
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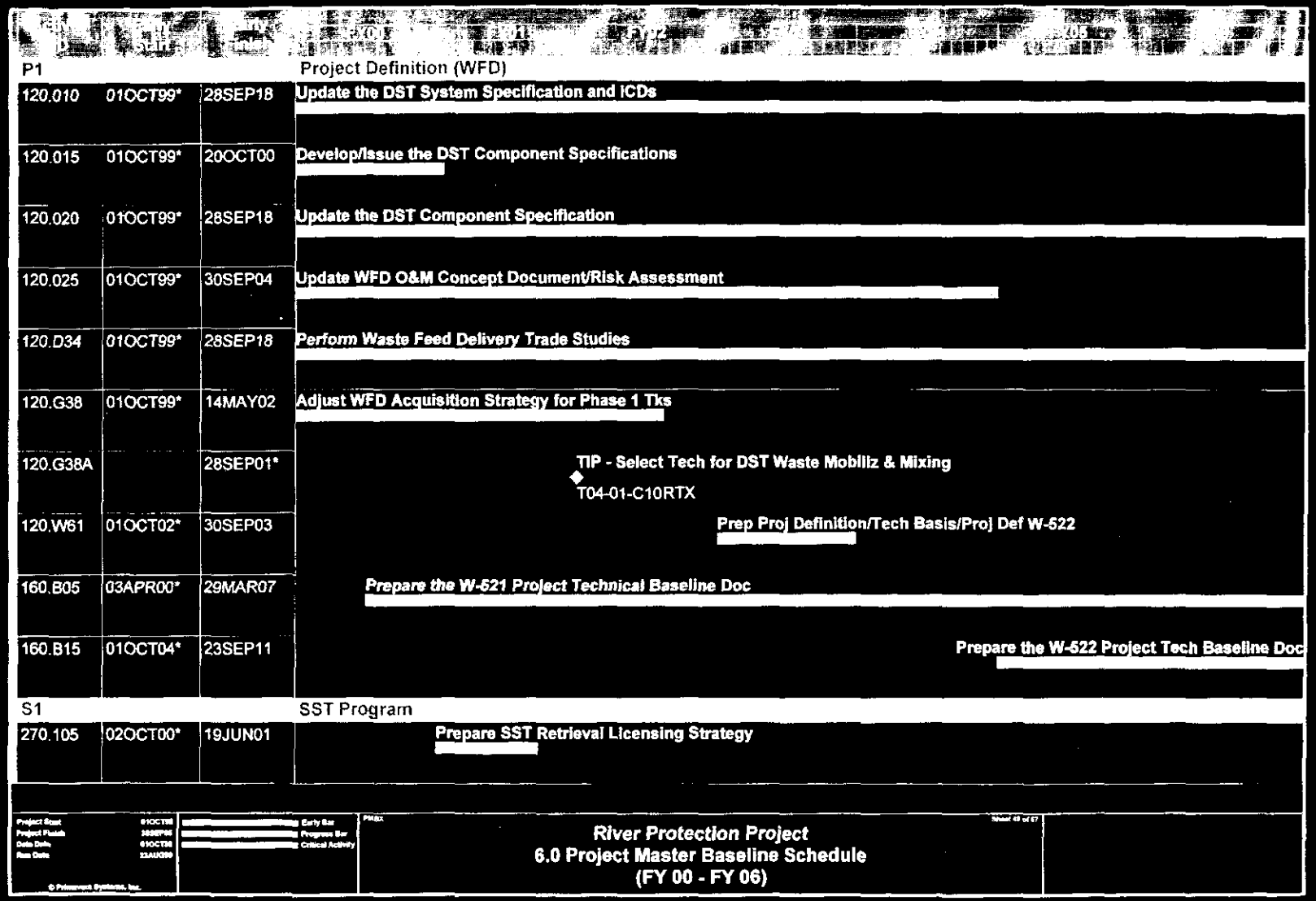
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)



P1			Project Definition (WFD)
120.010	01OCT99*	28SEP18	Update the DST System Specification and ICDs
120.015	01OCT99*	20OCT00	Develop/Issue the DST Component Specifications
120.020	01OCT99*	28SEP18	Update the DST Component Specification
120.025	01OCT99*	30SEP04	Update WFD O&M Concept Document/Risk Assessment
120.D34	01OCT99*	28SEP18	Perform Waste Feed Delivery Trade Studies
120.G38	01OCT99*	14MAY02	Adjust WFD Acquisition Strategy for Phase 1 Tks
120.G38A		28SEP01*	TIP - Select Tech for DST Waste Mobiliz & Mixing
			T04-01-C10RTX
120.W61	01OCT02*	30SEP03	Prep Proj Definition/Tech Basis/Proj Def W-522
160.B05	03APR00*	29MAR07	Prepare the W-521 Project Technical Baseline Doc
160.B15	01OCT04*	23SEP11	Prepare the W-522 Project Tech Baseline Doc
S1			SST Program
270.105	02OCT00*	19JUN01	Prepare SST Retrieval Licensing Strategy

Project Start 01OCT99 Early Bar
Project Finish 28SEP06 Progress Bar
Data Date 01OCT99 Critical Activity
Run Date 23AUG99
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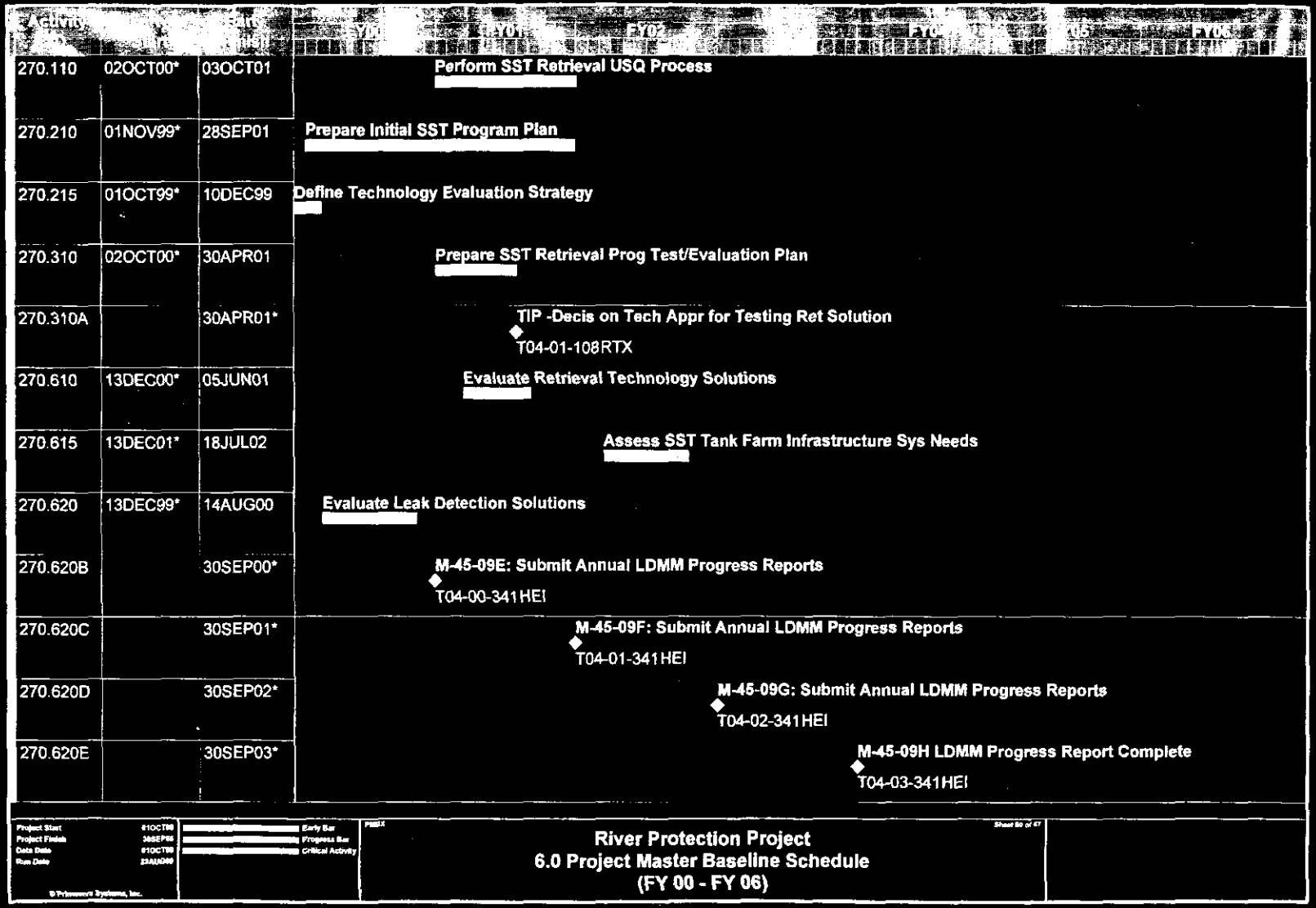
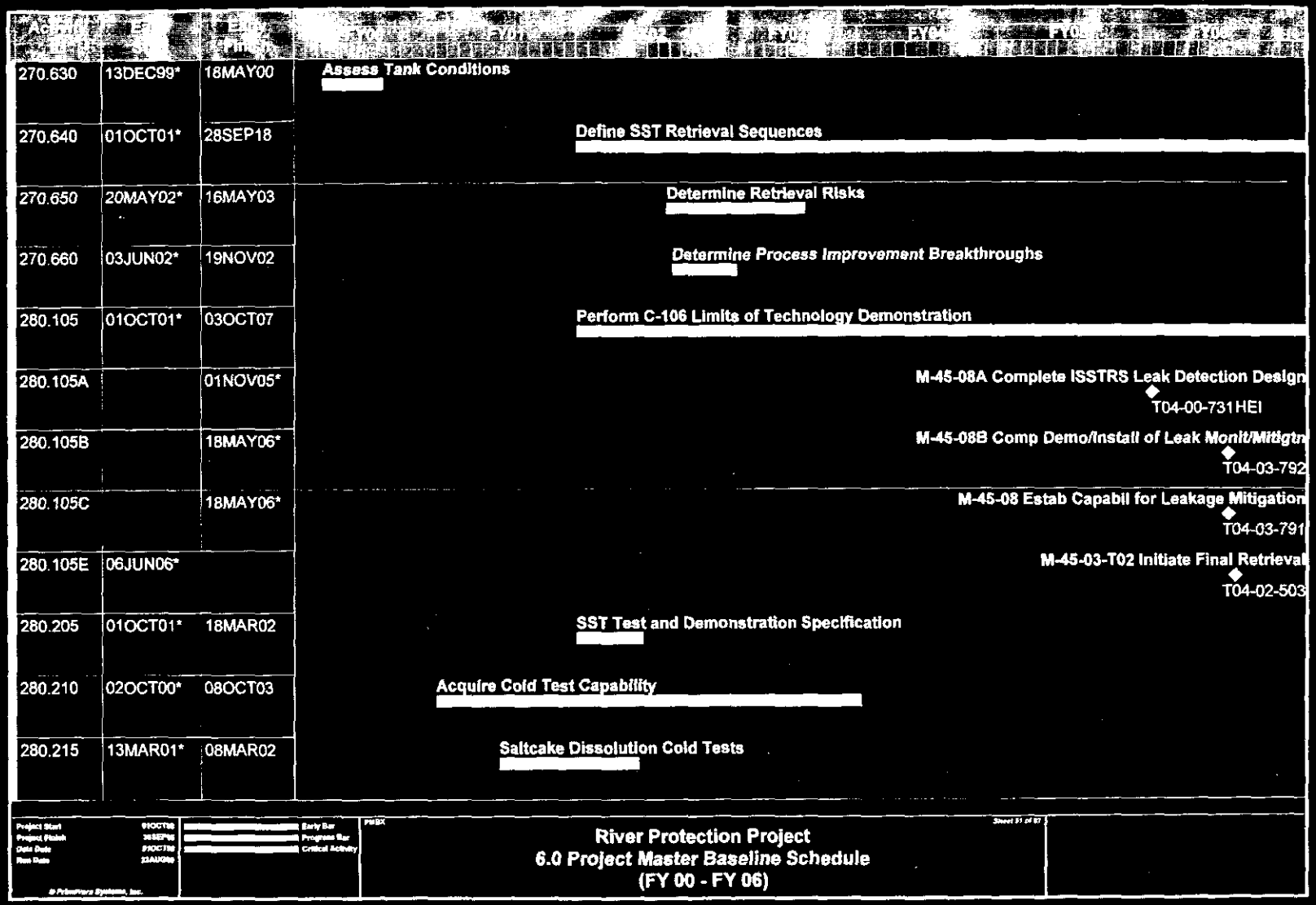
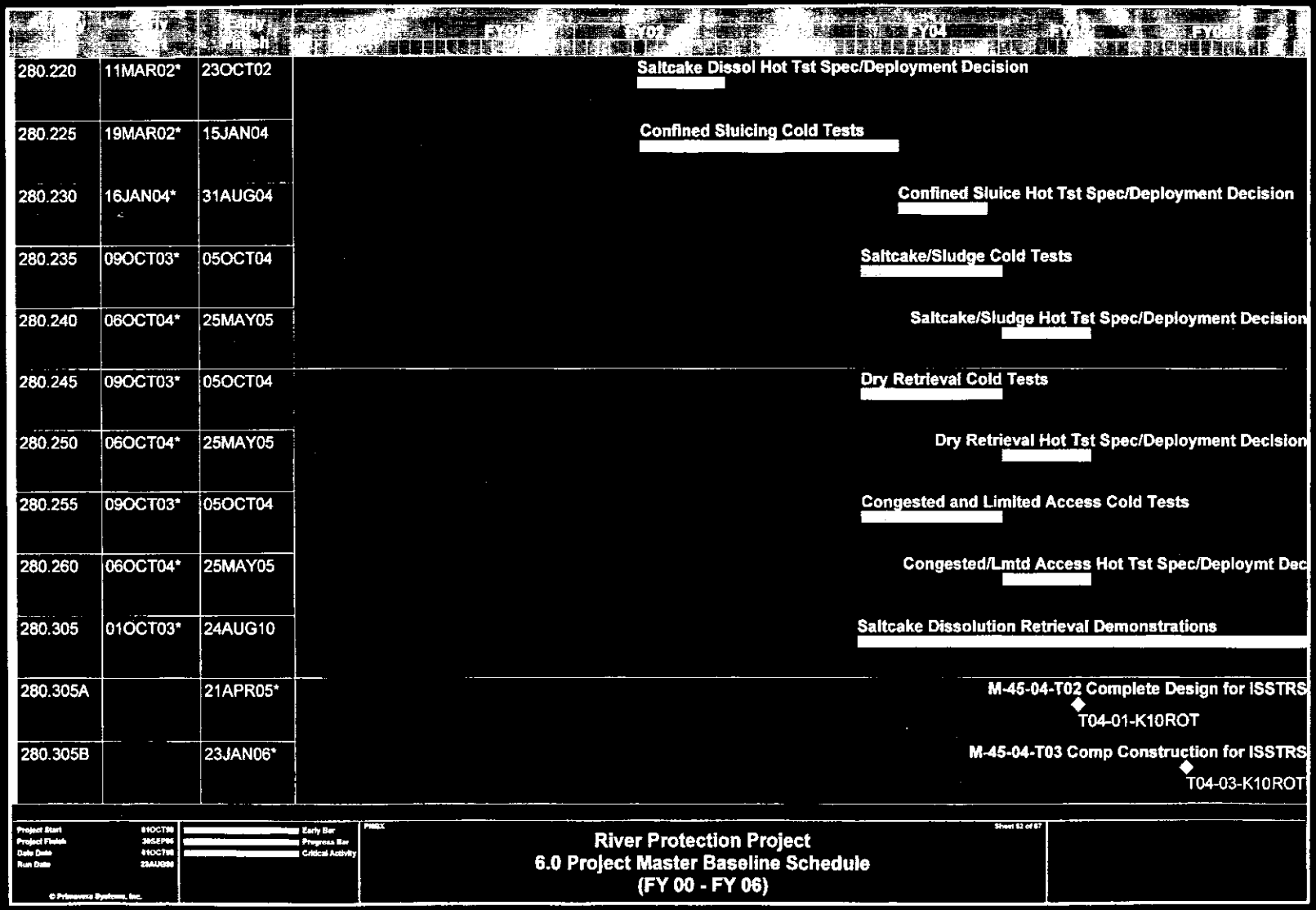
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY01
FY02
FY06
270.110 02OCT00* 03OCT01 Perform SST Retrieval USQ Process
270.210 01NOV99* 28SEP01 Prepare Initial SST Program Plan
270.215 01OCT99* 10DEC99 Define Technology Evaluation Strategy
270.310 02OCT00* 30APR01 Prepare SST Retrieval Prog Test/Evaluation Plan
270.310A 30APR01* TIP -Decis on Tech Appr for Testing Ret Solution
T04-01-108RTX
270.610 13DEC00* 05JUN01 Evaluate Retrieval Technology Solutions
270.615 13DEC01* 18JUL02 Assess SST Tank Farm Infrastructure Sys Needs
270.620 13DEC99* 14AUG00 Evaluate Leak Detection Solutions
270.620B 30SEP00* M-45-09E: Submit Annual LDMM Progress Reports
T04-00-341HEI
270.620C 30SEP01* M-45-09F: Submit Annual LDMM Progress Reports
T04-01-341HEI
270.620D 30SEP02* M-45-09G: Submit Annual LDMM Progress Reports
T04-02-341HEI
270.620E 30SEP03* M-45-09H LDMM Progress Report Complete
T04-03-341HEI
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY00
FY01
FY02
FY03
FY04
FY05
FY06
270.630 13DEC99* 18MAY00 Assess Tank Conditions
270.640 01OCT01* 28SEP18 Define SST Retrieval Sequences
270.650 20MAY02* 16MAY03 Determine Retrieval Risks
270.660 03JUN02* 19NOV02 Determine Process Improvement Breakthroughs
280.105 01OCT01* 03OCT07 Perform C-106 Limits of Technology Demonstration
280.105A 01NOV05* M-45-08A Complete ISSTRS Leak Detection Design
T04-00-731HEI
280.105B 18MAY06* M-45-08B Comp Demo/Install of Leak Monit/Mitigtn
T04-03-792
280.105C 18MAY06* M-45-08 Estab Capabil for Leakage Mitigation
T04-03-791
280.105E 06JUN06* M-45-03-T02 Initiate Final Retrieval
T04-02-503
280.205 01OCT01* 18MAR02 SST Test and Demonstration Specification
280.210 02OCT00* 08OCT03 Acquire Cold Test Capability
280.215 13MAR01* 08MAR02 Saltcake Dissolution Cold Tests
Project Start 01OCT00
Project Finish 30SEP06
Data Date 01OCT00
Run Date 22AUG00
Early Bar
Progress Bar
Critical Activity
PMBX
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


280.220 11MAR02* 23OCT02 Saltcake Dissol Hot Tst Spec/Deployment Decision
280.225 19MAR02* 15JAN04 Confined Sluicing Cold Tests
280.230 16JAN04* 31AUG04 Confined Sluice Hot Tst Spec/Deployment Decision
280.235 09OCT03* 05OCT04 Saltcake/Sludge Cold Tests
280.240 06OCT04* 25MAY05 Saltcake/Sludge Hot Tst Spec/Deployment Decision
280.245 09OCT03* 05OCT04 Dry Retrieval Cold Tests
280.250 06OCT04* 25MAY05 Dry Retrieval Hot Tst Spec/Deployment Decision
280.255 09OCT03* 05OCT04 Congested and Limited Access Cold Tests
280.260 06OCT04* 25MAY05 Congested/Lmtd Access Hot Tst Spec/Deploymt Dec
280.305 01OCT03* 24AUG10 Saltcake Dissolution Retrieval Demonstrations
280.305A 21APR05* M-45-04-T02 Complete Design for ISSTRS
T04-01-K10ROT
280.305B 23JAN06* M-45-04-T03 Comp Construction for ISSTRS
T04-03-K10ROT
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG00
Early Bar
Progress Bar
Critical Activity
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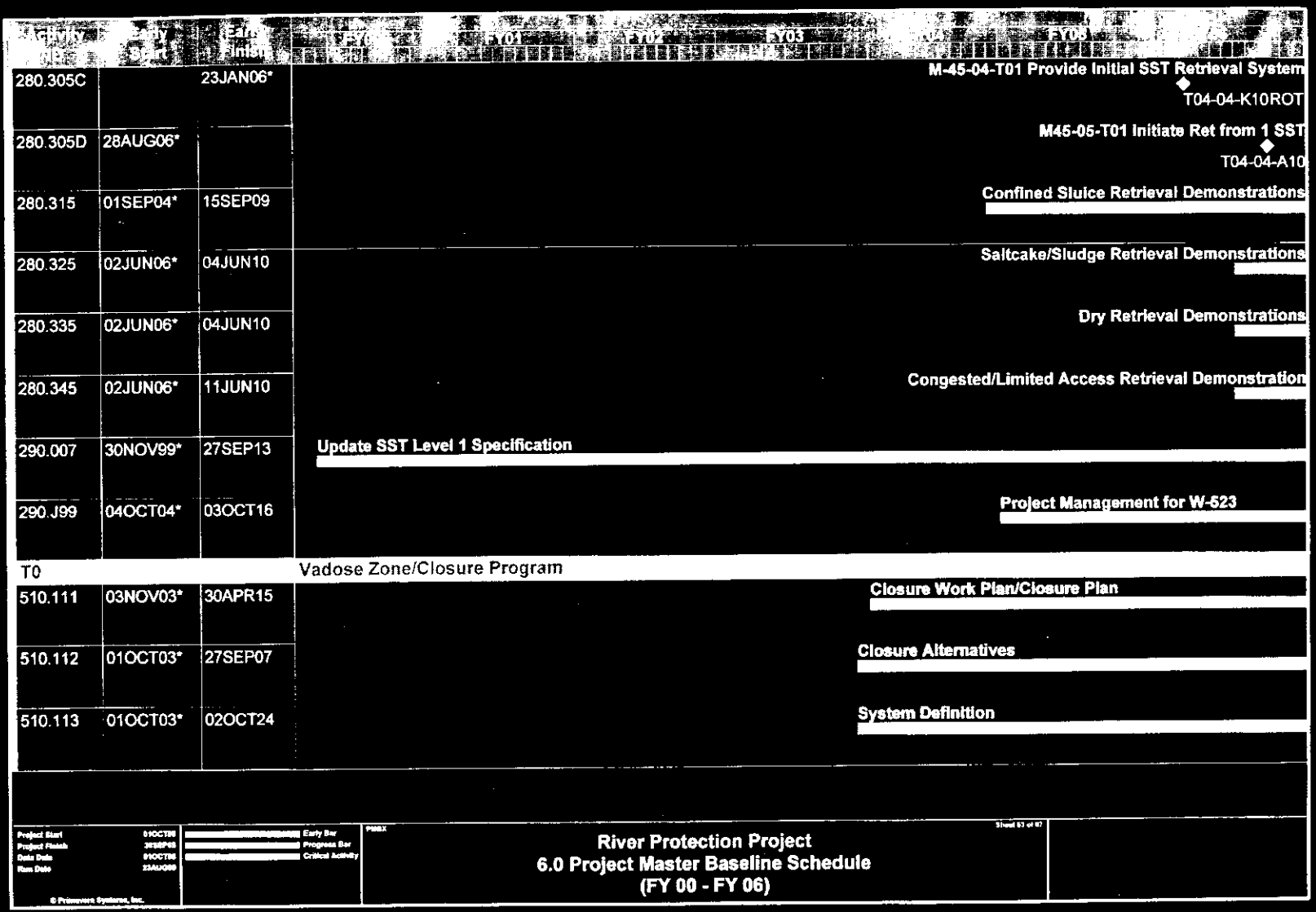
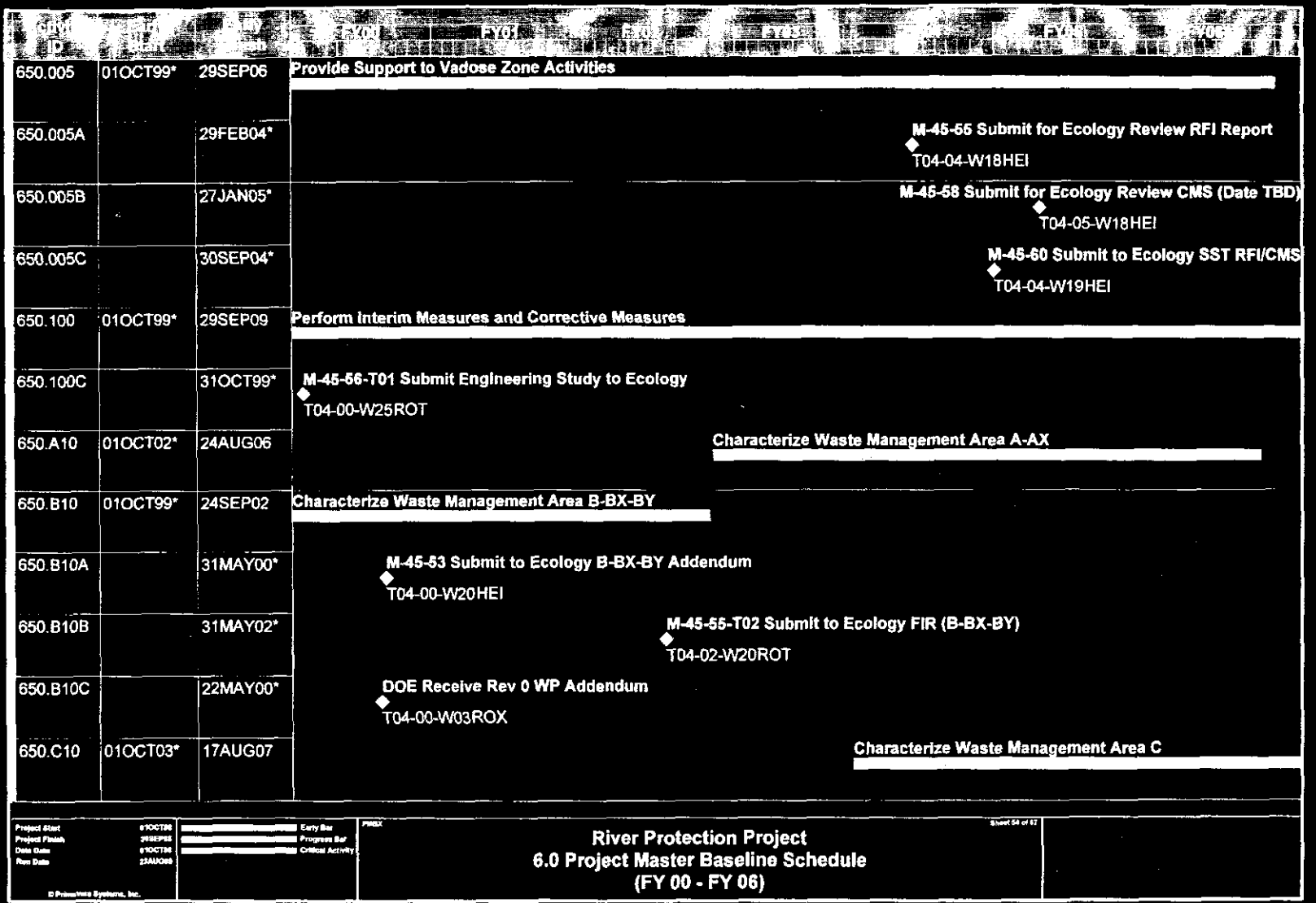
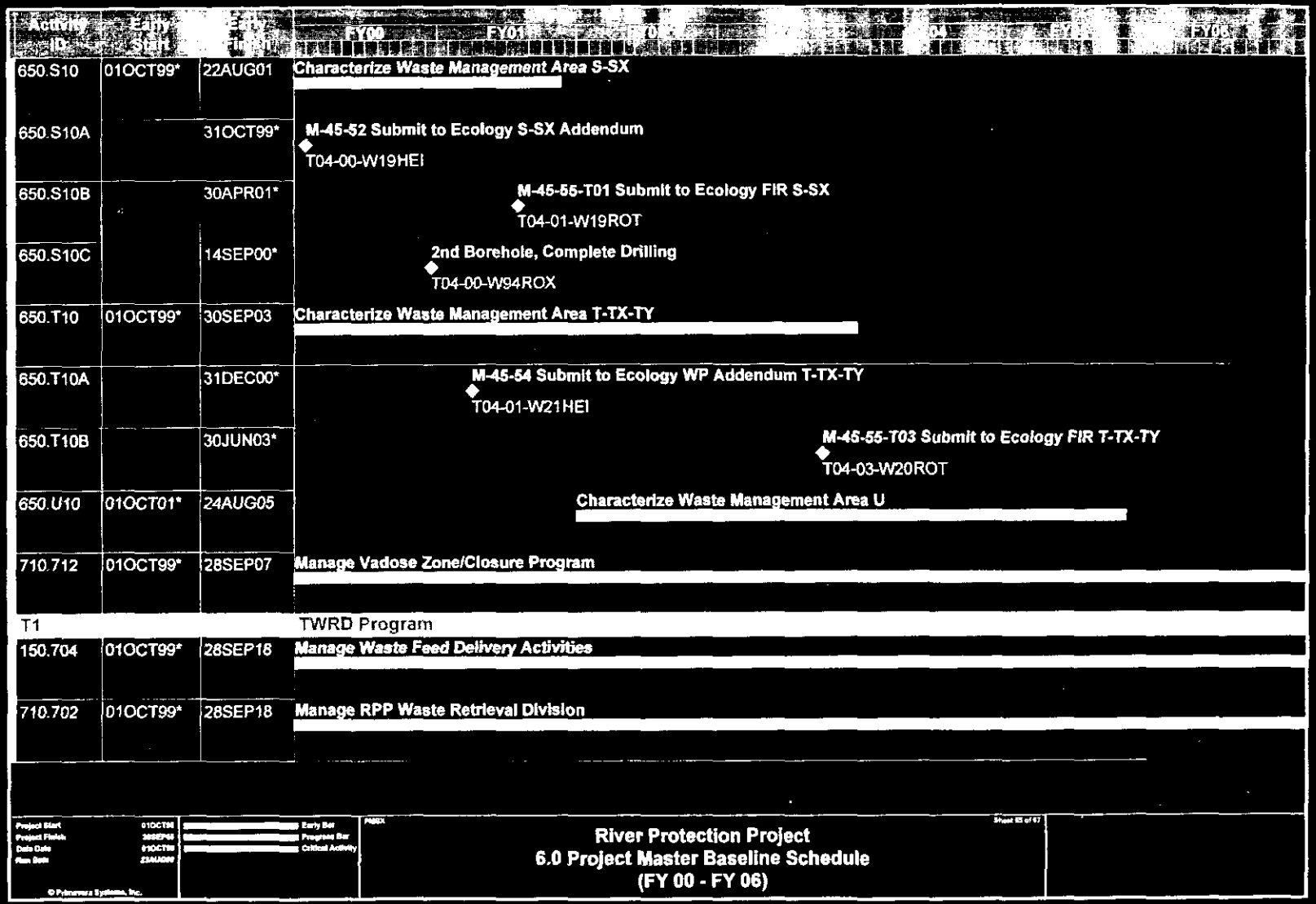
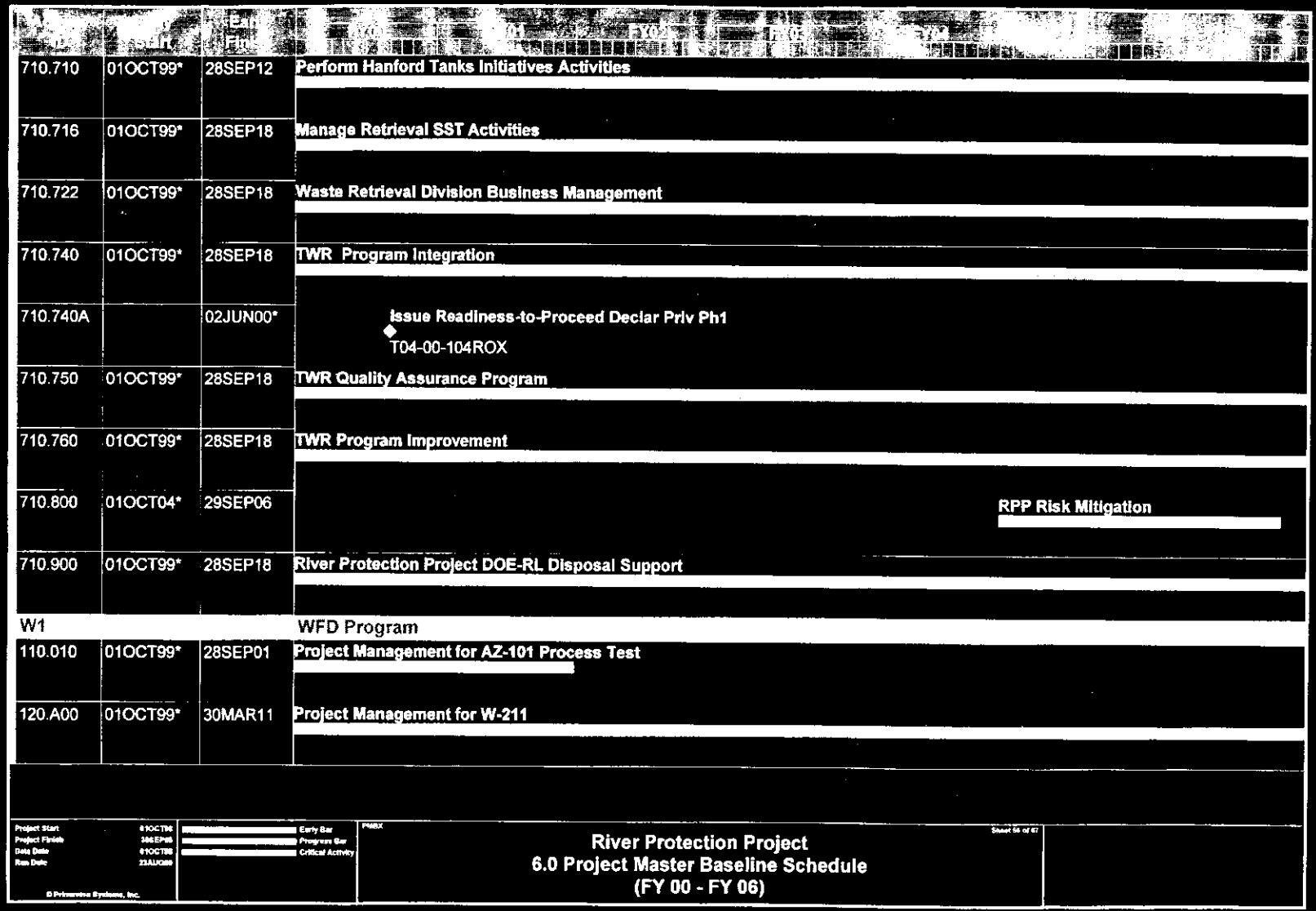
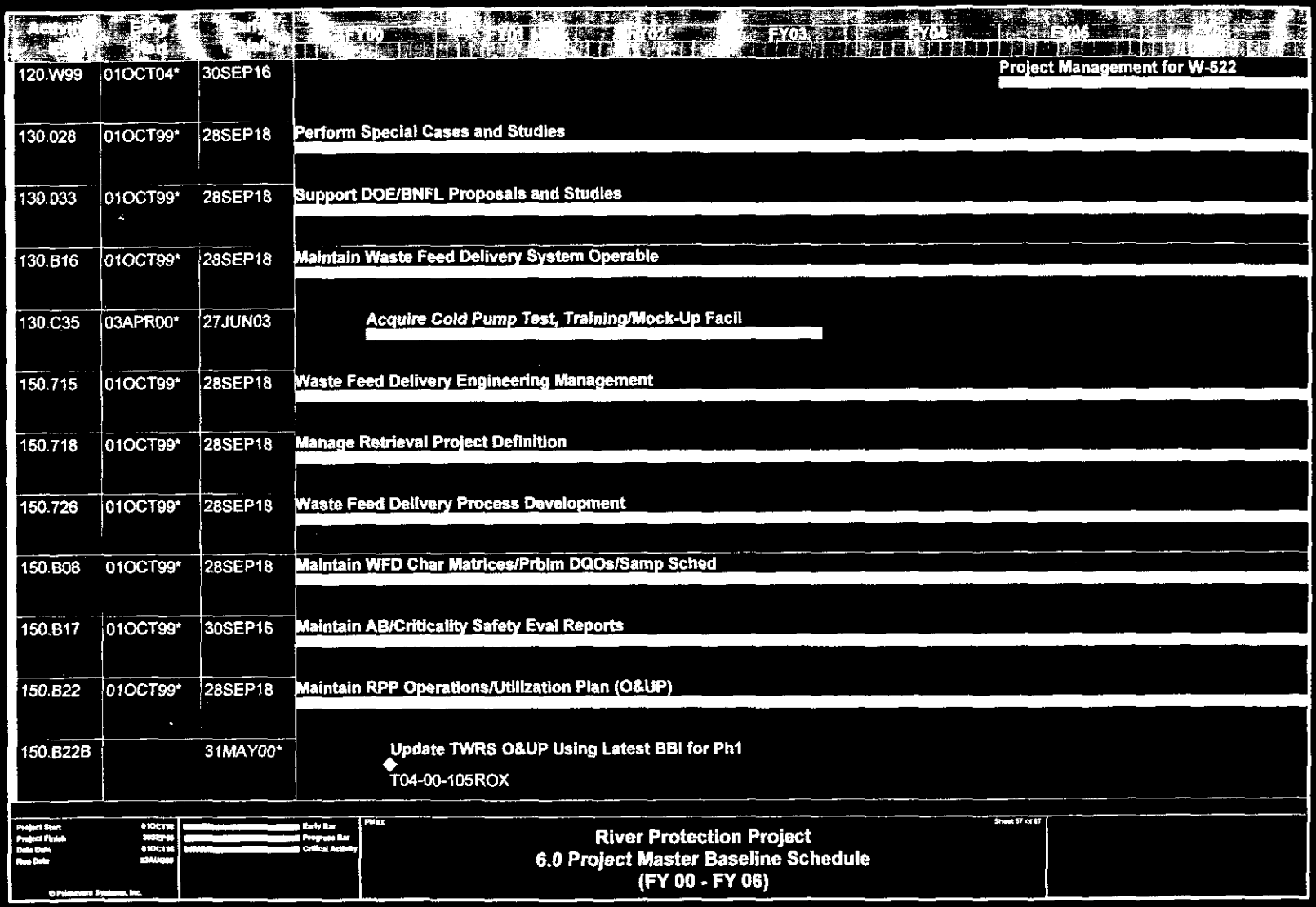
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

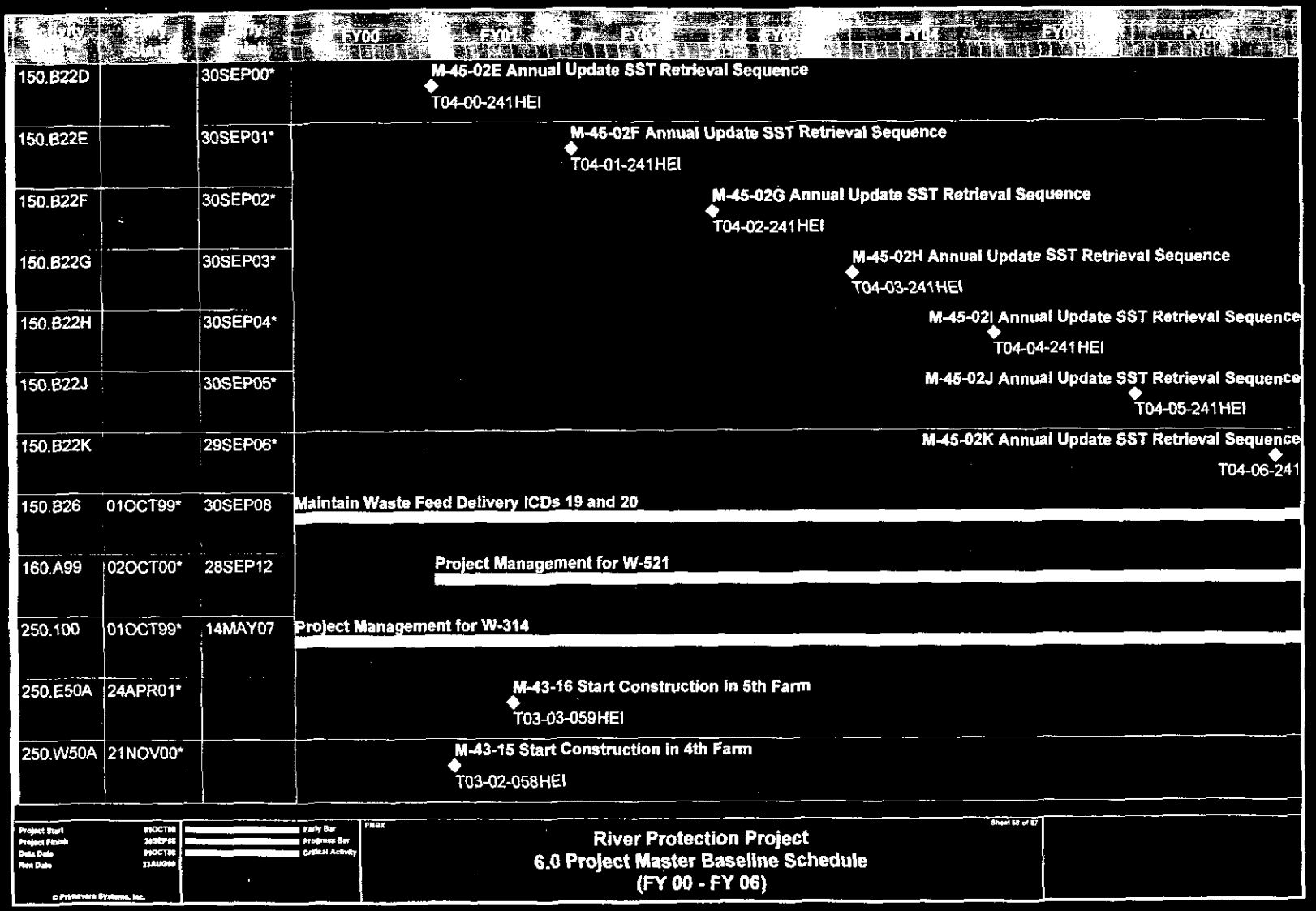

Activity ID
Early Start
Early Finish
FY01
FY02
FY03
FY04
280.305C 23JAN06*
M-45-04-T01 Provide Initial SST Retrieval System
T04-04-K10ROT
280.305D 28AUG06*
M45-05-T01 Initiate Ret from 1 SST
T04-04-A10
280.315 01SEP04* 15SEP09
Confined Sluice Retrieval Demonstrations
280.325 02JUN06* 04JUN10
Saltcake/Sludge Retrieval Demonstrations
280.335 02JUN06* 04JUN10
Dry Retrieval Demonstrations
280.345 02JUN06* 11JUN10
Congested/Limited Access Retrieval Demonstration
290.007 30NOV99* 27SEP13
Update SST Level 1 Specification
290.J99 04OCT04* 03OCT16
Project Management for W-523
T0
Vadose Zone/Closure Program
510.111 03NOV03* 30APR15
Closure Work Plan/Closure Plan
510.112 01OCT03* 27SEP07
Closure Alternatives
510.113 01OCT03* 02OCT24
System Definition
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


650.005 01OCT99* 29SEP06 Provide Support to Vadose Zone Activities
650.005A 29FEB04* M-45-55 Submit for Ecology Review RFI Report
T04-04-W18HEI
650.005B 27JAN05* M-45-58 Submit for Ecology Review CMS (Date TBD)
T04-05-W18HEI
650.005C 30SEP04* M-45-60 Submit to Ecology SST RFI/CMS
T04-04-W19HEI
650.100 01OCT99* 29SEP09 Perform Interim Measures and Corrective Measures
650.100C 31OCT99* M-45-56-T01 Submit Engineering Study to Ecology
T04-00-W25ROT
650.A10 01OCT02* 24AUG06 Characterize Waste Management Area A-AX
650.B10 01OCT99* 24SEP02 Characterize Waste Management Area B-BX-BY
650.B10A 31MAY00* M-45-53 Submit to Ecology B-BX-BY Addendum
T04-00-W20HEI
650.B10B 31MAY02* M-45-55-T02 Submit to Ecology FIR (B-BX-BY)
T04-02-W20ROT
650.B10C 22MAY00* DOE Receive Rev 0 WP Addendum
T04-00-W03ROX
650.C10 01OCT03* 17AUG07 Characterize Waste Management Area C
Project Start 01OCT99
Project Finish 29SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
PRIMAVERA
Sheet 54 of 57
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


Activity ID
Early Start
Late Finish
FY00
FY01
FY02
FY03
FY04
FY05
FY06
650.S10
01OCT99*
22AUG01
Characterize Waste Management Area S-SX
650.S10A
31OCT99*
M-45-52 Submit to Ecology S-SX Addendum
T04-00-W19HEI
650.S10B
30APR01*
M-45-55-T01 Submit to Ecology FIR S-SX
T04-01-W19ROT
650.S10C
14SEP00*
2nd Borehole, Complete Drilling
T04-00-W94ROX
650.T10
01OCT99*
30SEP03
Characterize Waste Management Area T-TX-TY
650.T10A
31DEC00*
M-45-54 Submit to Ecology WP Addendum T-TX-TY
T04-01-W21HEI
650.T10B
30JUN03*
M-45-55-T03 Submit to Ecology FIR T-TX-TY
T04-03-W20ROT
650.U10
01OCT01*
24AUG05
Characterize Waste Management Area U
710.712
01OCT99*
28SEP07
Manage Vadose Zone/Closure Program
T1
TWRD Program
150.704
01OCT99*
28SEP18
Manage Waste Feed Delivery Activities
710.702
01OCT99*
28SEP18
Manage RPP Waste Retrieval Division
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


710.710 01OCT99* 28SEP12 Perform Hanford Tanks Initiatives Activities
710.716 01OCT99* 28SEP18 Manage Retrieval SST Activities
710.722 01OCT99* 28SEP18 Waste Retrieval Division Business Management
710.740 01OCT99* 28SEP18 TWR Program Integration
710.740A 02JUN00* Issue Readiness-to-Proceed Declar Priv Ph1
T04-00-104ROX
710.750 01OCT99* 28SEP18 TWR Quality Assurance Program
710.760 01OCT99* 28SEP18 TWR Program Improvement
710.800 01OCT04* 29SEP06 RPP Risk Mitigation
710.900 01OCT99* 28SEP18 River Protection Project DOE-RL Disposal Support
W1 WFD Program
110.010 01OCT99* 28SEP01 Project Management for AZ-101 Process Test
120.A00 01OCT99* 30MAR11 Project Management for W-211
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
PMBX
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY00
FY01
FY02
FY03
FY04
FY05
120.W99 01OCT04* 30SEP16 Project Management for W-522
130.028 01OCT99* 28SEP18 Perform Special Cases and Studies
130.033 01OCT99* 28SEP18 Support DOE/BNFL Proposals and Studies
130.B16 01OCT99* 28SEP18 Maintain Waste Feed Delivery System Operable
130.C35 03APR00* 27JUN03 Acquire Cold Pump Test, Training/Mock-Up Facil
150.715 01OCT99* 28SEP18 Waste Feed Delivery Engineering Management
150.718 01OCT99* 28SEP18 Manage Retrieval Project Definition
150.726 01OCT99* 28SEP18 Waste Feed Delivery Process Development
150.B08 01OCT99* 28SEP18 Maintain WFD Char Matrices/Prblm DQOs/Samp Sched
150.B17 01OCT99* 30SEP16 Maintain AB/Criticality Safety Eval Reports
150.B22 01OCT99* 28SEP18 Maintain RPP Operations/Utilization Plan (O&UP)
150.B22B 31MAY00* Update TWRS O&UP Using Latest BBI for Ph1
T04-00-105ROX
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY00
FY01
FY02
FY03
FY04
FY05
FY06
150.B22D 30SEP00* M-45-02E Annual Update SST Retrieval Sequence T04-00-241HEI
150.B22E 30SEP01* M-45-02F Annual Update SST Retrieval Sequence T04-01-241HEI
150.B22F 30SEP02* M-45-02G Annual Update SST Retrieval Sequence T04-02-241HEI
150.B22G 30SEP03* M-45-02H Annual Update SST Retrieval Sequence T04-03-241HEI
150.B22H 30SEP04* M-45-02I Annual Update SST Retrieval Sequence T04-04-241HEI
150.B22J 30SEP05* M-45-02J Annual Update SST Retrieval Sequence T04-05-241HEI
150.B22K 29SEP06* M-45-02K Annual Update SST Retrieval Sequence T04-06-241
150.B26 01OCT99* 30SEP08 Maintain Waste Feed Delivery ICDs 19 and 20
160.A99 02OCT00* 28SEP12 Project Management for W-521
250.100 01OCT99* 14MAY07 Project Management for W-314
250.E50A 24APR01* M-43-16 Start Construction in 5th Farm T03-03-059HEI
250.W50A 21NOV00* M-43-15 Start Construction in 4th Farm T03-02-058HEI
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Print Date 22AUG00
Early Bar
Progress Bar
Critical Activity
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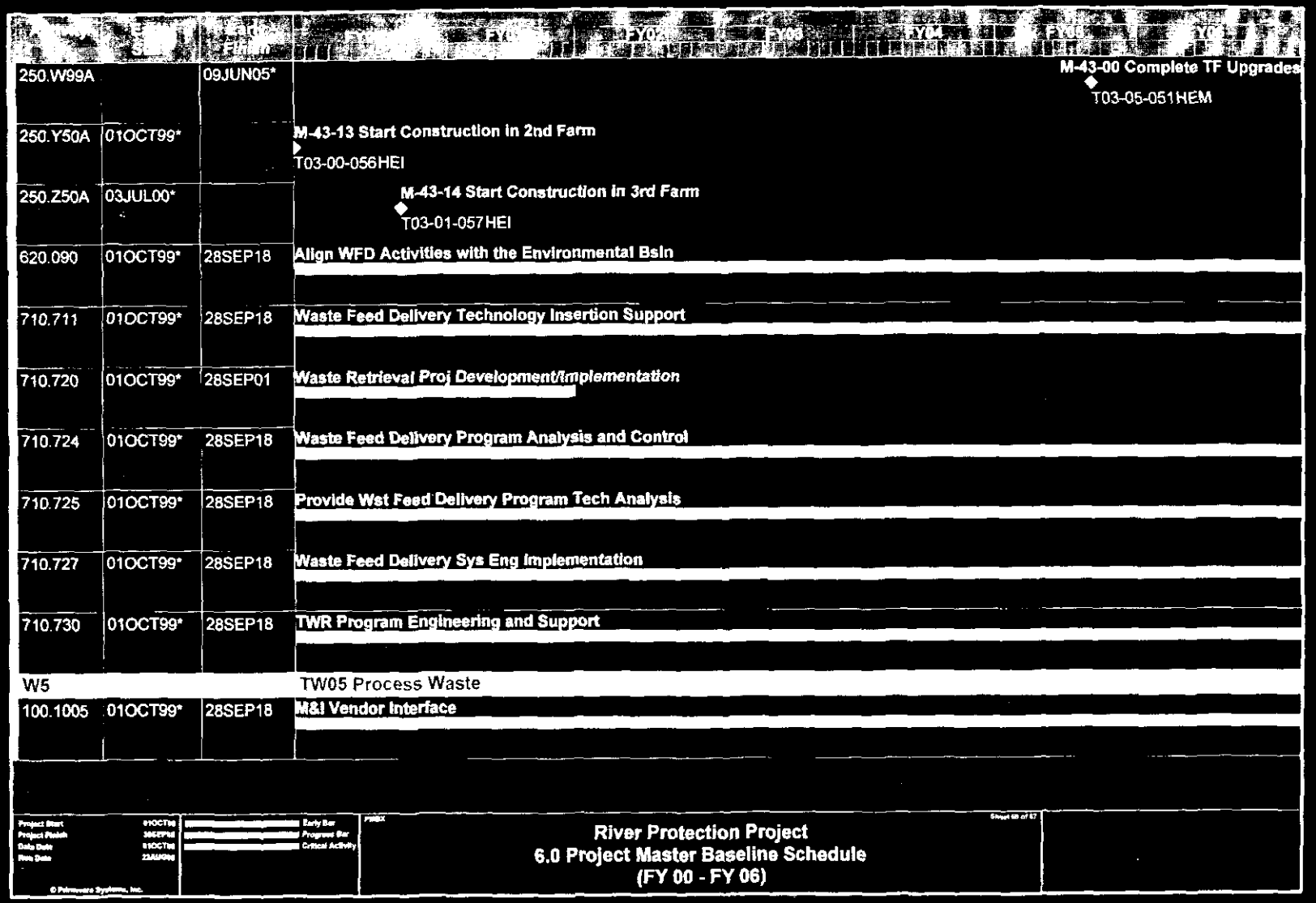
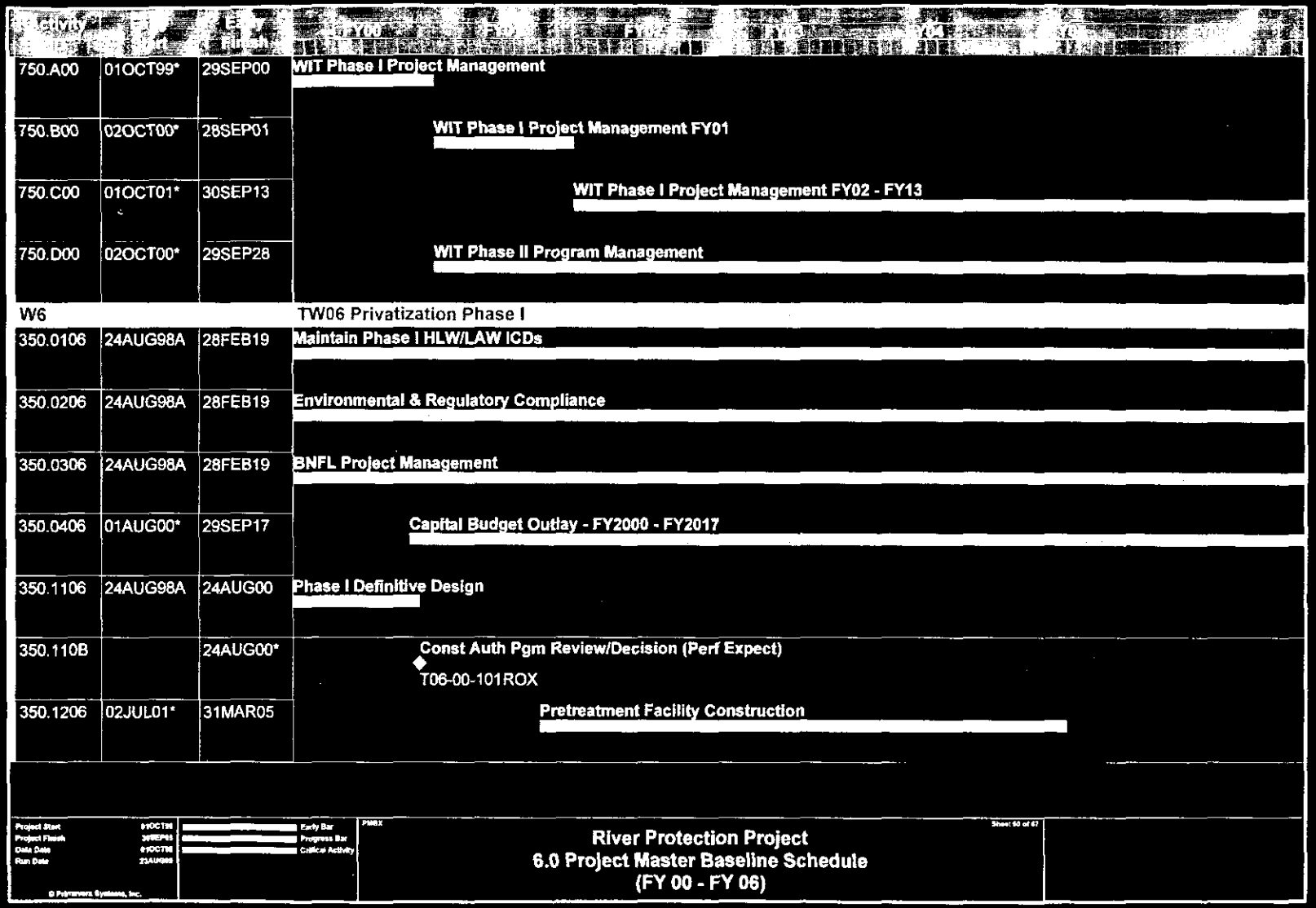
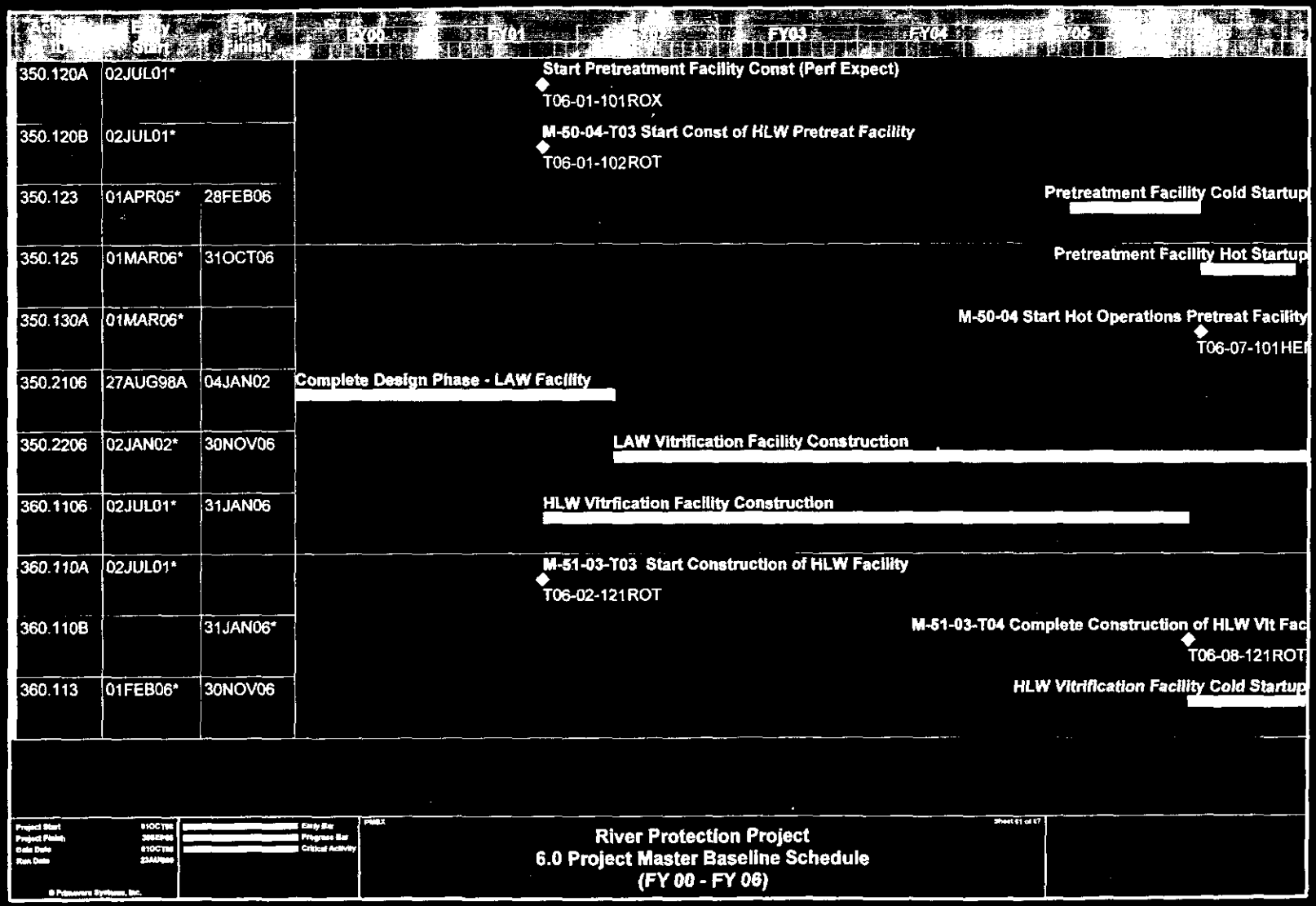
FRAGX
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


250.W99A 09JUN05*
M-43-00 Complete TF Upgrades
T03-05-051HEM
250.Y50A 01OCT99*
M-43-13 Start Construction in 2nd Farm
T03-00-056HEI
250.Z50A 03JUL00*
M-43-14 Start Construction in 3rd Farm
T03-01-057HEI
620.090 01OCT99* 28SEP18
Align WFD Activities with the Environmental Bsln
710.711 01OCT99* 28SEP18
Waste Feed Delivery Technology Insertion Support
710.720 01OCT99* 28SEP01
Waste Retrieval Proj Development/Implementation
710.724 01OCT99* 28SEP18
Waste Feed Delivery Program Analysis and Control
710.725 01OCT99* 28SEP18
Provide Wst Feed Delivery Program Tech Analysis
710.727 01OCT99* 28SEP18
Waste Feed Delivery Sys Eng Implementation
710.730 01OCT99* 28SEP18
TWR Program Engineering and Support
W5
TW05 Process Waste
100.1005 01OCT99* 28SEP18
M&I Vendor Interface
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)



750.A00	01OCT99*	29SEP00	WIT Phase I Project Management
750.B00	02OCT00*	28SEP01	WIT Phase I Project Management FY01
750.C00	01OCT01*	30SEP13	WIT Phase I Project Management FY02 - FY13
750.D00	02OCT00*	29SEP28	WIT Phase II Program Management
W6			TW06 Privatization Phase I
350.0106	24AUG98A	28FEB19	Maintain Phase I HLW/LAW ICDs
350.0206	24AUG98A	28FEB19	Environmental & Regulatory Compliance
350.0306	24AUG98A	28FEB19	BNFL Project Management
350.0406	01AUG00*	29SEP17	Capital Budget Outlay - FY2000 - FY2017
350.1106	24AUG98A	24AUG00	Phase I Definitive Design
350.110B		24AUG00*	Const Auth Pgm Review/Decision (Perf Expect)
350.1206	02JUL01*	31MAR05	Pretreatment Facility Construction


Activity ID
Early Start
Early Finish
FY00
FY01
FY02
FY03
FY04
FY05
350.120A 02JUL01*
Start Pretreatment Facility Const (Perf Expect)
T06-01-101ROX
350.120B 02JUL01*
M-50-04-T03 Start Const of HLW Pretreat Facility
T06-01-102ROT
350.123 01APR05* 28FEB06
Pretreatment Facility Cold Startup
350.125 01MAR06* 31OCT06
Pretreatment Facility Hot Startup
350.130A 01MAR06*
M-50-04 Start Hot Operations Pretreat Facility
T06-07-101HE
350.2106 27AUG98A 04JAN02
Complete Design Phase - LAW Facility
350.2206 02JAN02* 30NOV06
LAW Vitrification Facility Construction
360.1106 02JUL01* 31JAN06
HLW Vitrification Facility Construction
360.110A 02JUL01*
M-51-03-T03 Start Construction of HLW Facility
T06-02-121ROT
360.110B 31JAN06*
M-51-03-T04 Complete Construction of HLW Vit Fac
T06-08-121ROT
360.113 01FEB06* 30NOV06
HLW Vitrification Facility Cold Startup
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
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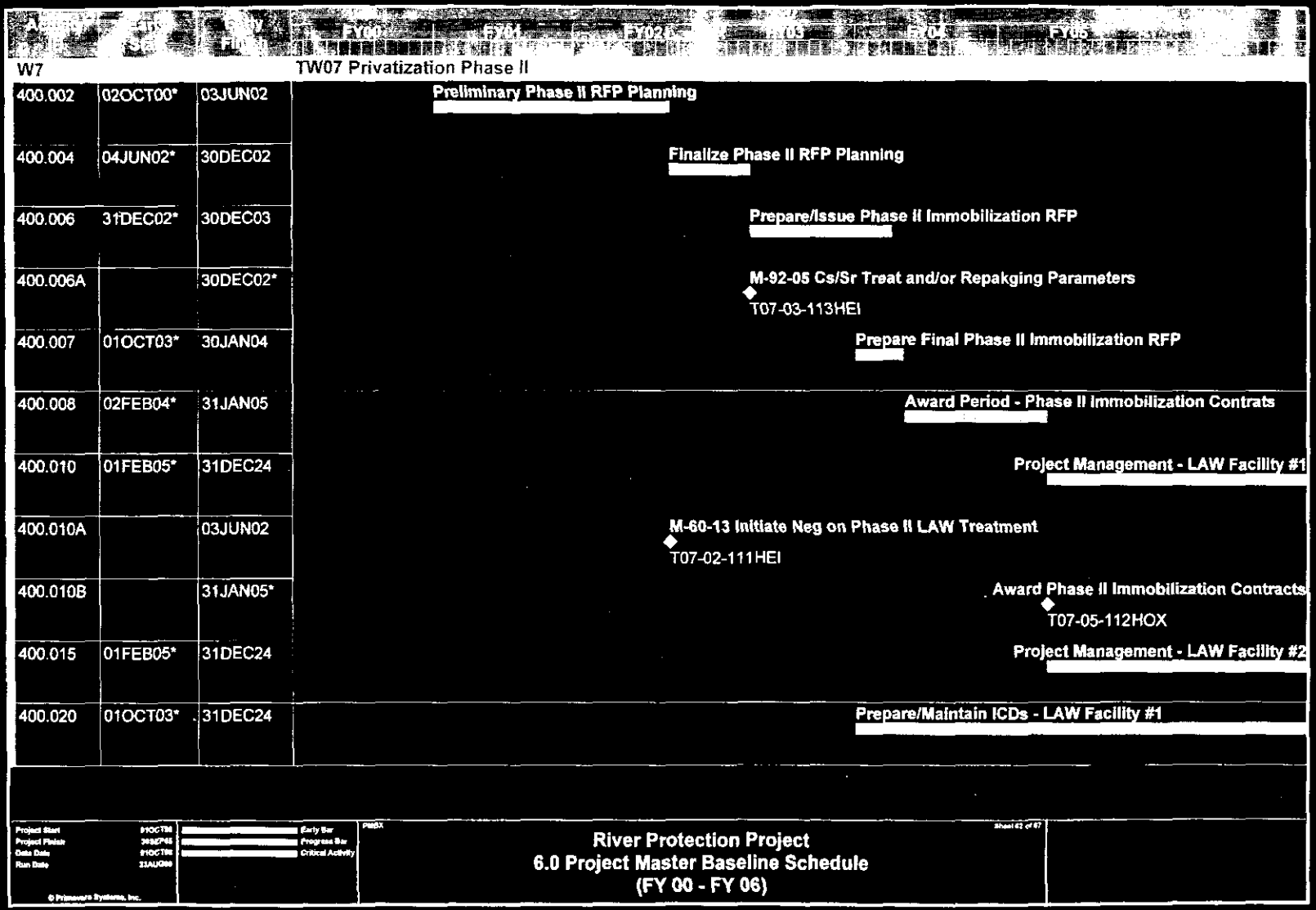
FY00
FY01
FY02
FY03
FY04
FY05
W7
TW07 Privatization Phase II
400.002 02OCT00* 03JUN02 Preliminary Phase II RFP Planning
400.004 04JUN02* 30DEC02 Finalize Phase II RFP Planning
400.006 31DEC02* 30DEC03 Prepare/Issue Phase II Immobilization RFP
400.006A 30DEC02* M-92-05 Cs/Sr Treat and/or Repakging Parameters
T07-03-113HEI
400.007 01OCT03* 30JAN04 Prepare Final Phase II Immobilization RFP
400.008 02FEB04* 31JAN05 Award Period - Phase II immobilization Contrats
400.010 01FEB05* 31DEC24 Project Management - LAW Facility #1
400.010A 03JUN02 M-60-13 Initiate Neg on Phase II LAW Treatment
T07-02-111HEI
400.010B 31JAN05* Award Phase II Immobilization Contracts
T07-05-112HOX
400.015 01FEB05* 31DEC24 Project Management - LAW Facility #2
400.020 01OCT03* 31DEC24 Prepare/Maintain ICDs - LAW Facility #1
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
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River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

			FY00	FY01	FY02	FY03	FY04	FY05	FY06
400.025	01FEB05*	31DEC24							Prepare/Maintain ICDs - LAW Facility #2
400.210	01FEB05*	30SEP08							Design - LAW Facility #1
400.310	01FEB05*	30SEP08							Design - LAW Facility #2
410.010	01FEB05*	29SEP28							Project Management - HLW Facility
410.020	01FEB05*	29SEP28							Prepare/Maintain ICDs - HLW Facility
410.110	01FEB05*	31DEC08							Design - HLW Facility
W8			TW08 Privatization Infrastructure						
330.A00	01OCT99*	30SEP19	Phase 1 Privatization Infrasturcture						
330.BA1	01OCT99*	24MAY02	W-519 Infr. Proj Electrical Systems						
			33050C3C						
330.BA2		01AUG03*					W-519 Electrical Power for BNFL Ops Complete		
							T08-02-100ROX		
330.BB1	08NOV99*	03MAR00	W-519 Site & Roads						
330.BB2		31MAR00*	Construction Water & Access Roads Ready for BNFL						
			T08-00-100ROX						

Project Start 01OCT99 | Early Bar | Phase | Sheet 83 of 87
Project Finish 30SEP28 | Progress Bar
Data Date 01OCT99 | Critical Activity
Print Date 23AUG99

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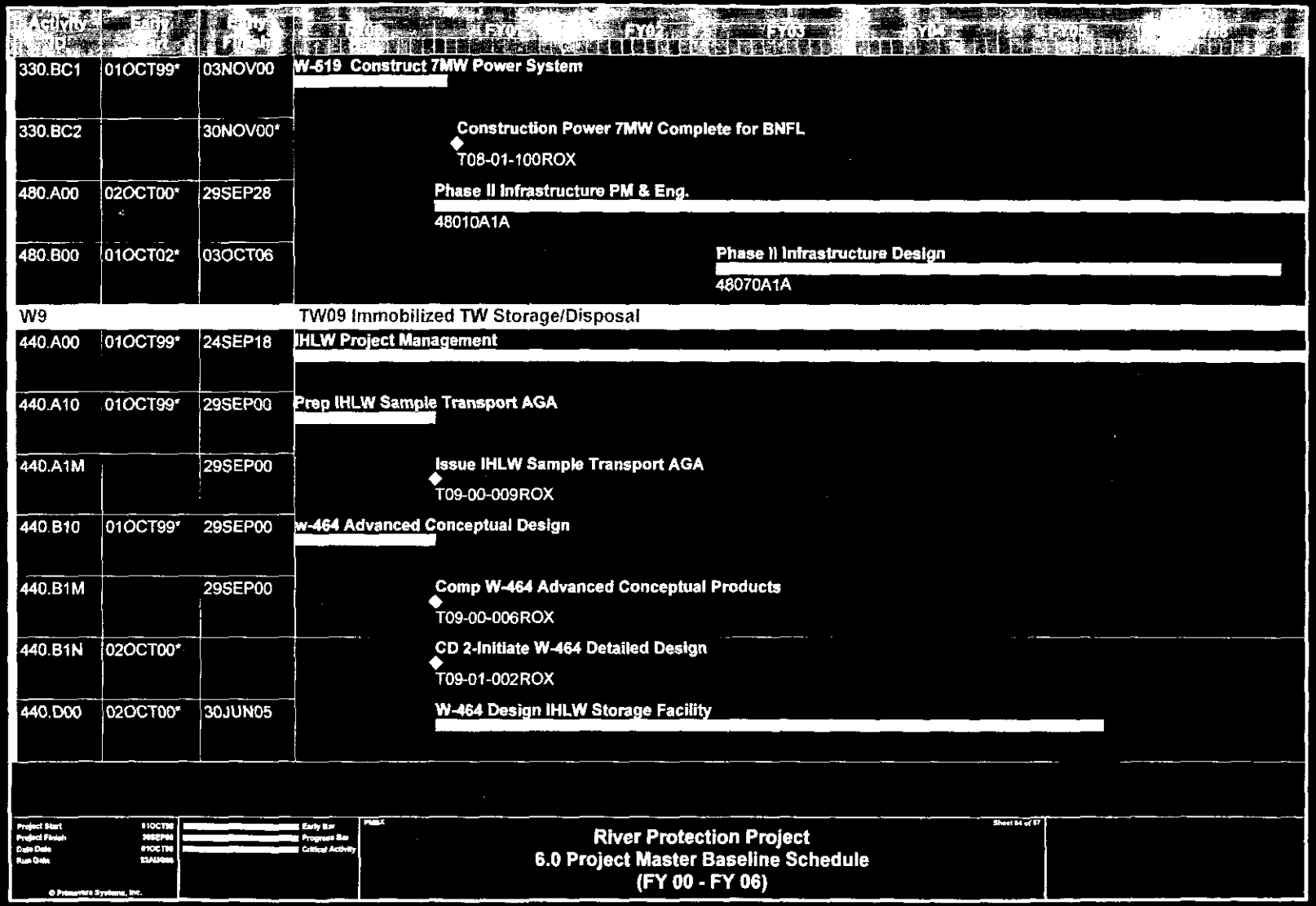
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


Activity ID
Early
Late
FY00
FY01
FY02
FY03
FY04
FY05
330.BC1 01OCT99* 03NOV00 W-519 Construct 7MW Power System
330.BC2 30NOV00* Construction Power 7MW Complete for BNFL
T08-01-100ROX
480.A00 02OCT00* 29SEP28 Phase II Infrastructure PM & Eng.
48010A1A
480.B00 01OCT02* 03OCT06 Phase II Infrastructure Design
48070A1A
W9 TW09 Immobilized TW Storage/Disposal
440.A00 01OCT99* 24SEP18 IHLW Project Management
440.A10 01OCT99* 29SEP00 Prep IHLW Sample Transport AGA
440.A1M 29SEP00 Issue IHLW Sample Transport AGA
T09-00-009ROX
440.B10 01OCT99* 29SEP00 w-464 Advanced Conceptual Design
440.B1M 29SEP00 Comp W-464 Advanced Conceptual Products
T09-00-006ROX
440.B1N 02OCT00* CD 2-Initiate W-464 Detailed Design
T09-01-002ROX
440.D00 02OCT00* 30JUN05 W-464 Design IHLW Storage Facility
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 13JUL99
Early Bar
Progress Bar
Critical Activity
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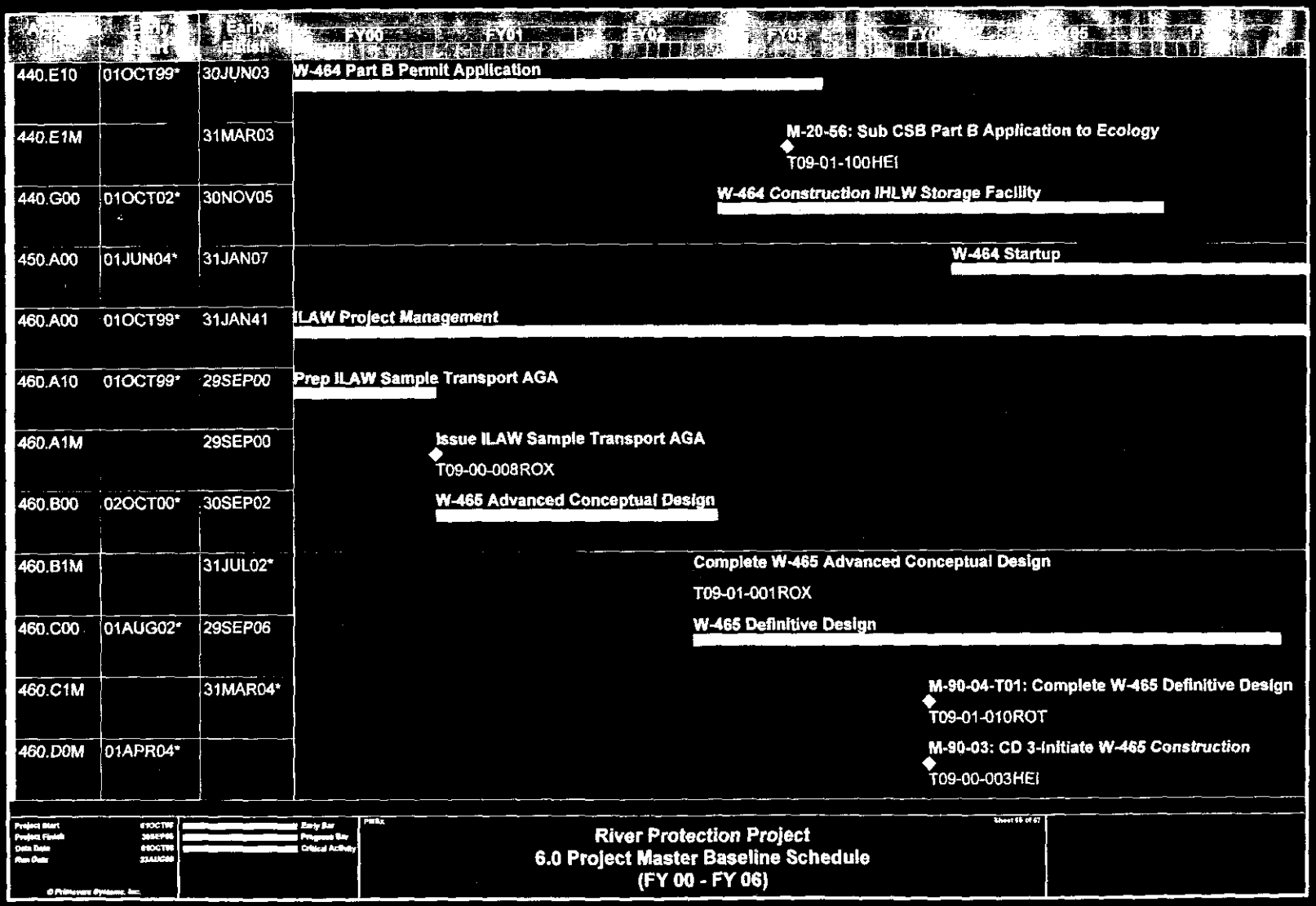
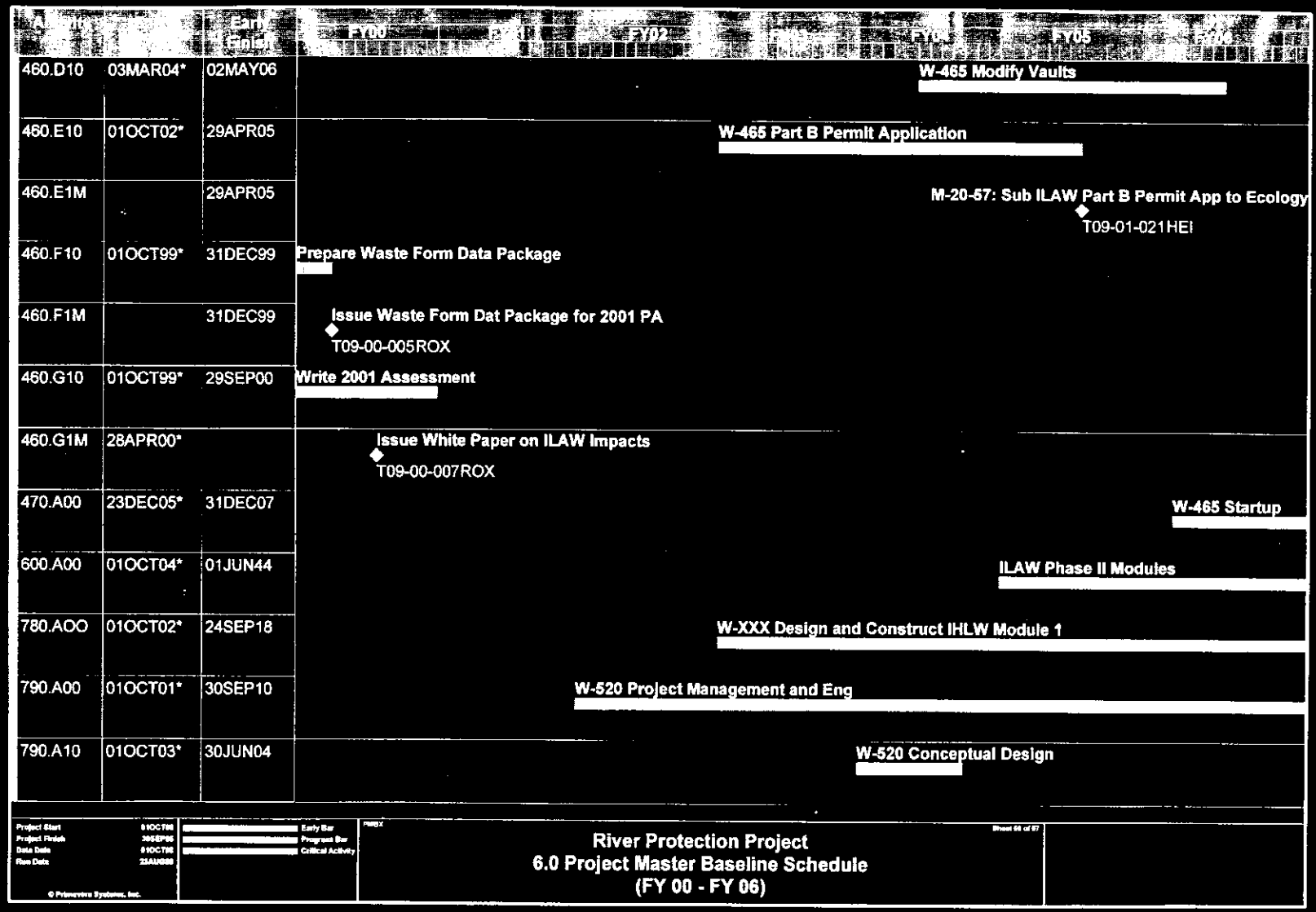
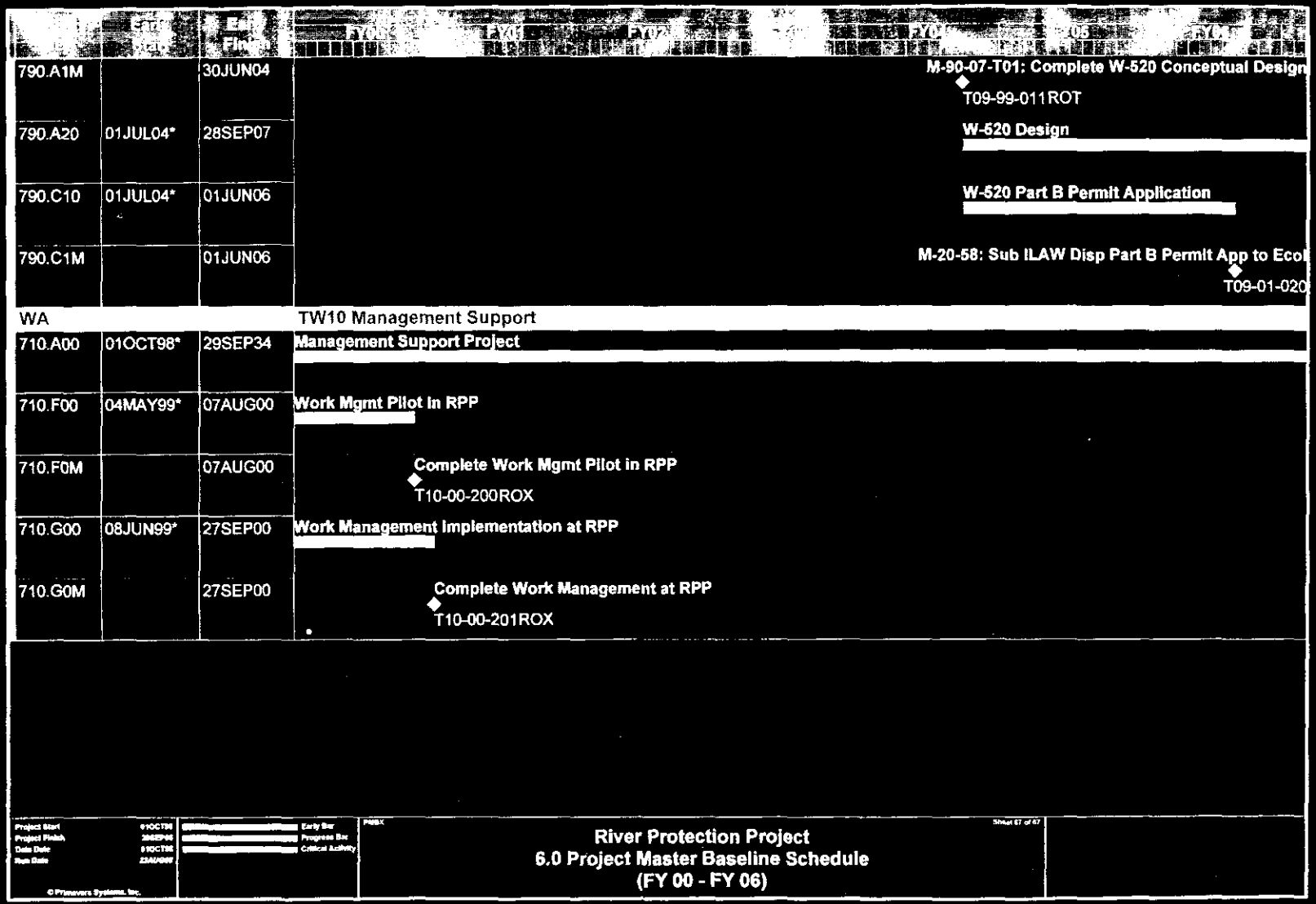
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


Activity ID
Early Start
Early Finish
FY00
FY01
FY02
FY03
FY04
FY05
FY06
440.E10 01OCT99* 30JUN03 W-464 Part B Permit Application
440.E1M 31MAR03 M-20-56: Sub CSB Part B Application to Ecology
T09-01-100HEI
440.G00 01OCT02* 30NOV05 W-464 Construction IHLW Storage Facility
450.A00 01JUN04* 31JAN07 W-464 Startup
460.A00 01OCT99* 31JAN41 ILAW Project Management
460.A10 01OCT99* 29SEP00 Prep ILAW Sample Transport AGA
460.A1M 29SEP00 Issue ILAW Sample Transport AGA
T09-00-008ROX
460.B00 02OCT00* 30SEP02 W-465 Advanced Conceptual Design
460.B1M 31JUL02* Complete W-465 Advanced Conceptual Design
T09-01-001ROX
460.C00 01AUG02* 29SEP06 W-465 Definitive Design
460.C1M 31MAR04* M-90-04-T01: Complete W-465 Definitive Design
T09-01-010ROT
460.D0M 01APR04* M-90-03: CD 3-Initiate W-465 Construction
T09-00-003HEI
Project Start
Project Finish
Data Date
Run Date
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


FY00
FY02
FY04
FY05
460.D10 03MAR04* 02MAY06
W-465 Modify Vaults
460.E10 01OCT02* 29APR05
W-465 Part B Permit Application
460.E1M 29APR05
M-20-57: Sub ILAW Part B Permit App to Ecology
T09-01-021HEI
460.F10 01OCT99* 31DEC99
Prepare Waste Form Data Package
460.F1M 31DEC99
Issue Waste Form Dat Package for 2001 PA
T09-00-005ROX
460.G10 01OCT99* 29SEP00
Write 2001 Assessment
460.G1M 28APR00*
Issue White Paper on ILAW Impacts
T09-00-007ROX
470.A00 23DEC05* 31DEC07
W-465 Startup
600.A00 01OCT04* 01JUN44
ILAW Phase II Modules
780.AOO 01OCT02* 24SEP18
W-XXX Design and Construct IHLW Module 1
790.A00 01OCT01* 30SEP10
W-520 Project Management and Eng
790.A10 01OCT03* 30JUN04
W-520 Conceptual Design
Project Start 01OCT99
Project Finish 30SEP06
Data Date 01OCT99
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)


790.A1M 30JUN04
M-90-07-T01: Complete W-520 Conceptual Design
T09-99-011ROT
790.A20 01JUL04* 28SEP07
W-520 Design
790.C10 01JUL04* 01JUN06
W-520 Part B Permit Application
790.C1M 01JUN06
M-20-58: Sub ILAW Disp Part B Permit App to Ecol
T09-01-020
WA
TW10 Management Support
710.A00 01OCT98* 29SEP34
Management Support Project
710.F00 04MAY99* 07AUG00
Work Mgmt Pilot in RPP
710.F0M 07AUG00
Complete Work Mgmt Pilot in RPP
T10-00-200ROX
710.G00 08JUN99* 27SEP00
Work Management Implementation at RPP
710.G0M 27SEP00
Complete Work Management at RPP
T10-00-201ROX
Project Start 01OCT98
Project Finish 28SEP06
Data Date 01OCT98
Run Date 23AUG99
Early Bar
Progress Bar
Critical Activity
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PMBX
Sheet 67 of 67
River Protection Project
6.0 Project Master Baseline Schedule
(FY 00 - FY 06)

7.0 LIFE-CYCLE COSTS (BY FISCAL YEAR)

7.1 River Protection Project Budget Authority (FY 2000 - FY 2006) ($000's) (1)

		FY00	FY01	FY02	FY03	FY04	FY05	FY06
TW01	Tank Waste Characterization	29,973	38,536	38,099	37,158	37,938	38,872	39,549
TW02	Tank Safety Issue Resolution	24,199	27,437	12,567	11,805	9,246	9,661	9,366
TW03	Tank Farm Operations	160,190	212,821	187,920	160,755	120,797	139,492	112,344
TW04	Waste Retrieval	53,932	89,315	173,557	234,028	219,695	197,111	163,067
TW05	Process Waste Support	10,933	12,341	19,508	19,244	21,505	18,143	16,782
TW06	Privatization Phase 1	-	-	-	-	-	-	-
TW08	Privatization Infrastructure	16,961	15,367	12,561	12,627	13,118	41,459	21,908
TW09	Immobilized Waste Storage & Disposal	9,136	14,394	28,024	53,745	60,605	43,733	40,392
TW10	Management Support	35,524	41,575	35,108	36,845	35,361	34,919	34,085
	Sub Total	340,848	451,786	507,344	566,207	518,265	523,390	437,493
	Privatization							
TW04	Waste Retrieval	-	-	-	-	-	101,768	66,149
TW06	Privatization Phase 1	106,000	606,000	659,000	633,000	595,000	598,000	563,000
TW07	Privatization Phase 2	-	-	-	-	-	172,000	176,000
	RPP TOTAL	446,848	1,057,786	1,166,344	1,199,207	1,113,265	1,395,158	1,242,642

(1) All dollars displayed contain applicable escalation

7.2 Life Cycle Costs (by Fiscal Year)

7.2 River Protection Project Life-Cycle Costs (by Fiscal Year)

($000's) (1)

		FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
TW01	Tank Waste Characterization	57,706	48,317	35,429	29,973	38,536	38,099	37,158	37,938	38,872
TW02	Tank Safety Issue Resolution	34,070	30,205	34,699	24,199	27,437	12,567	11,805	9,246	9,661
TW03	Tank Farm Operations	156,948	122,873	147,190	160,190	212,822	187,922	160,771	120,794	139,504
TW04	Waste Retrieval	33,919	67,685	57,830	53,933	91,634	173,718	236,632	221,582	194,816
TW05	Process Waste Support	6,025	9,615	7,777	10,933	12,341	19,508	19,244	21,505	18,143
TW06	Privatization Phase 1	-	-	-	-	-	-	-	-	-
TW08	Privatization Infrastructure	5,893	5,973	6,009	18,611	18,662	13,095	12,627	13,118	41,459
TW09	Immobilized Waste Storage & Dispos	4,968	11,303	5,331	9,136	14,394	28,022	53,745	60,607	43,733
TW10	Management Support	30,644	40,232	34,716	35,480	36,232	35,108	36,845	35,361	34,919
	Sub Total	330,173	336,203	328,981	342,455	452,057	508,039	568,827	520,152	521,108
	Privatization									
TW04	Waste Retrieval	-	-	-	-	-	-	-	-	-
TW06	Privatization Phase 1	-	-	-	50,000	-	-	-	-	-
TW07	Privatization Phase 2	-	-	-	-	-	-	-	-	-
	RPP TOTAL	330,173	336,203	328,981	392,455	452,057	508,039	568,827	520,152	521,108

(1) All dollars displayed contain applicable escalation

7.2 River Protection Project Life-Cycle Costs (by Fiscal Year)

($000's) (1)

		FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
TW01	Tank Waste Characterization	39,549	55,367	44,899	32,372	31,372	30,847	29,495	33,196	33,912
TW02	Tank Safety Issue Resolution	9,366	9,561	9,762	-	-	-	-	-	-
TW03	Tank Farm Operations	112,344	110,811	100,025	101,856	101,141	102,780	104,519	105,415	100,670
TW04	Waste Retrieval	163,882	225,539	219,270	213,134	167,431	134,739	166,418	189,404	118,760
TW05	Process Waste Support	16,782	21,175	17,845	18,148	18,529	18,918	19,238	19,353	13,360
TW06	Privatization Phase 1	-	-	-	-	-	-	-	-	-
TW08	Privatization Infrastructure	21,908	33,384	35,067	71,603	73,253	35,482	110,630	112,219	115,035
TW09	Immobilized Waste Storage & Dispos	40,392	52,611	138,153	251,839	250,583	224,266	165,503	210,156	369,643
TW10	Management Support	34,085	34,616	35,112	35,355	35,911	36,144	36,410	37,143	37,392
	Sub Total	438,309	543,064	600,135	724,306	678,220	583,175	632,214	706,887	788,771
	Privatization									
TW04	Waste Retrieval	-	6,268	24,463	42,041	357,400	573,953	815,943	926,982	996,719
TW06	Privatization Phase 1	58,000	188,001	401,000	908,000	1,073,001	1,102,001	1,097,000	1,111,001	1,365,001
TW07	Privatization Phase 2	-	-	-	-	-	1,362,000	1,383,000	2,248,000	2,282,000
	RPP TOTAL	496,309	737,332	1,025,598	1,674,347	2,108,621	3,621,129	3,928,157	4,992,870	5,432,491

(1) All dollars displayed contain applicable escalation

7.2 River Protection Project Life-Cycle Costs (by Fiscal Year)

($000's) (1)

		FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23
TW01	Tank Waste Characterization	35,418	40,358	32,191	33,125	32,110	32,929	33,394	34,034	34,444
TW02	Tank Safety Issue Resolution	-	-	-	-	-	-	-	-	-
TW03	Tank Farm Operations	103,519	105,268	106,646	109,738	111,607	114,394	118,160	119,694	120,766
TW04	Waste Retrieval	77,702	55,678	41,589	41,012	13,514	13,805	24,319	24,969	33,410
TW05	Process Waste Support	13,640	13,981	14,162	14,444	14,584	14,949	15,210	15,530	15,793
TW06	Privatization Phase 1	-	-	-	2,484	12,436	51,348	71,852	29,288	-
TW08	Privatization Infrastructure	117,450	120,394	121,947	125,006	119,660	108,581	110,422	112,741	114,649
TW09	Immobilized Waste Storage & Dispos	463,178	463,141	351,525	355,171	268,791	218,986	121,494	69,351	58,101
TW10	Management Support	37,824	38,419	38,757	39,027	39,651	40,491	40,622	41,122	41,686
	Sub Total	848,731	837,239	706,817	720,007	612,351	595,483	535,473	446,747	418,850
	Privatization									
TW04	Waste Retrieval	959,183	897,408	612,068	382,342	4,097	806	-	-	-
TW06	Privatization Phase 1	1,437,723	1,230,001	463,000	-	-	-	-	-	-
TW07	Privatization Phase 2	2,317,000	1,291,000	1,311,000	602,000	611,000	620,000	629,000	639,000	648,000
	RPP TOTAL	5,562,637	4,255,648	3,092,885	1,704,349	1,227,449	1,216,289	1,164,473	1,085,747	1,066,850

(1) All dollars displayed contain applicable escalation

7.2 River Protection Project Life-Cycle Costs (by Fiscal Year)

($000's) (1)

		FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32
TW01	Tank Waste Characterization	35,235	-	-	-	-	-	-	-	-
TW02	Tank Safety Issue Resolution	-	-	-	-	-	-	-	-	-
TW03	Tank Farm Operations	123,553	121,623	124,224	126,834	129,501	131,698	134,999	137,834	141,285
TW04	Waste Retrieval	33,641	17,553	17,957	23,075	36,741	40,547	41,563	42,708	50,886
TW05	Process Waste Support	16,189	16,529	16,876	17,230	15,629	-	-	-	-
TW06	Privatization Phase 1	-	-	-	-	-	-	-	-	-
TW08	Privatization Infrastructure	117,526	119,994	122,514	125,085	127,713	29,744	-	2,706	2,773
TW09	Immobilized Waste Storage & Dispos	75,978	79,796	37,578	87,497	115,408	47,483	26,649	5,666	8,179
TW10	Management Support	42,157	42,202	42,745	43,303	43,870	44,276	45,041	45,644	46,444
	Sub Total	444,278	397,696	361,894	423,024	468,863	293,748	248,253	234,558	249,566
	Privatization									
TW04	*Waste Retrieval*	-	-	-	-	-	-	-	-	-
TW06	Privatization Phase 1	-	-	-	-	-	-	-	-	-
TW07	Privatization Phase 2	658,000	668,000	205,000	208,000	211,000	-	-	-	-
	RPP TOTAL	1,102,278	1,065,696	566,894	631,024	679,863	293,748	248,253	234,558	249,566

(1) All dollars displayed contain applicable escalation

7.2 River Protection Project Life-Cycle Costs (by Fiscal Year)

($000's) (1)

		FY33	FY34	FY35	FY36	FY37	FY38	FY39	FY40	FY41
TW01	Tank Waste Characterization	-	-	-	-	-	-	-	-	-
TW02	Tank Safety Issue Resolution	-	-	-	-	-	-	-	-	-
TW03	Tank Farm Operations	143,682	146,071	-	-	-	-	-	-	-
TW04	Waste Retrieval	46,427	46,684	14,227	1,270	1,292	1,319	1,347	1,371	1,404
TW05	Process Waste Support	-	-	-	-	-	-	-	-	-
TW06	Privatization Phase 1	-	-	-	-	-	-	-	-	-
TW08	Privatization Infrastructure	-	-	-	-	-	-	-	-	-
TW09	Immobilized Waste Storage & Dispos	10,689	10,871	11,143	11,316	11,553	11,796	12,044	12,297	12,187
TW10	Management Support	46,892	47,349	-	-	-	-	-	-	-
	Sub Total	247,690	250,976	25,370	12,586	12,846	13,116	13,391	13,668	13,591
	Privatization									
TW04	Waste Retrieval	-	-	-	-	-	-	-	-	-
TW06	Privatization Phase 1	-	-	-	-	-	-	-	-	-
TW07	Privatization Phase 2	-	-	-	-	-	-	-	-	-
	RPP TOTAL	247,690	250,976	25,370	12,586	12,846	13,116	13,391	13,668	13,591

(1) All dollars displayed contain applicable escalation

7.2 River Protection Project Life-Cycle Costs (by Fiscal Year)

($000's) (1)

		FY42	FY43	FY44	FY45	FY46	FY47	FY48	FY49	FY50
TW01	Tank Waste Characterization	-	-	-	-	-	-	-	-	-
TW02	Tank Safety Issue Resolution	-	-	-	-	-	-	-	-	-
TW03	Tank Farm Operations	-	-	-	-	-	-	-	-	-
TW04	Waste Retrieval	1,434	1,464	1,500	1,521	1,553	1,594	1,632	1,661	1,696
TW05	Process Waste Support	-	-	-	-	-	-	-	-	-
TW06	Privatization Phase 1	-	-	-	-	-	-	-	-	-
TW08	Privatization Infrastructure	-	-	-	-	-	-	-	-	-
TW09	Immobilized Waste Storage & Dispos	51,768	52,855	54,077	56,965	57,680	-	-	-	-
TW10	Management Support	-	-	-	-	-	-	-	-	-
	Sub Total	53,201	54,319	55,577	58,486	59,233	1,594	1,632	1,661	1,696
	Privatization									
TW04	Waste Retrieval	-	-	-	-	-	-	-	-	-
TW06	Privatization Phase 1	-	-	-	-	-	-	-	-	-
TW07	Privatization Phase 2	-	-	-	-	-	-	-	-	-
	RPP TOTAL	53,201	54,319	55,577	58,486	59,233	1,594	1,632	1,661	1,696

(1) All dollars displayed contain applicable escalation

7.2 River Protection Project Life-Cycle Costs (by Fiscal Year)

($000's) (1)

		FY51	FY52	FY53	FY54	FY55	FY56	FY57	FY58	FY59
TW01	Tank Waste Characterization	-	-	-	-	-	-	-	-	-
TW02	Tank Safety Issue Resolution	-	-	-	-	-	-	-	-	-
TW03	Tank Farm Operations	-	-	-	-	-	-	-	-	-
TW04	Waste Retrieval	1,723	1,768	1,805	1,843	1,882	1,921	1,952	1,999	2,041
TW05	Process Waste Support	-	-	-	-	-	-	-	-	-
TW06	Privatization Phase 1	-	-	-	-	-	-	-	-	-
TW08	Privatization Infrastructure	-	-	-	-	-	-	-	-	-
TW09	Immobilized Waste Storage & Dispos	-	-	-	-	-	-	-	-	-
TW10	Management Support	-	-	-	-	-	-	-	-	-
	Sub Total	1,723	1,768	1,805	1,843	1,882	1,921	1,952	1,999	2,041
	Privatization									
TW04	Waste Retrieval	-	-	-	-	-	-	-	-	-
TW06	Privatization Phase 1	-	-	-	-	-	-	-	-	-
TW07	Privatization Phase 2	-	-	-	-	-	-	-	-	-
	RPP TOTAL	1,723	1,768	1,805	1,843	1,882	1,921	1,952	1,999	2,041

(1) All dollars displayed contain applicable escalation

7.2 River Protection Project Life-Cycle Costs (by Fiscal Year)

($000's) (1)

		FY60	FY61	FY62	FY63	FY64	FY65	FY66	Life-Cycle Total
TW01	Tank Waste Characterization	-	-	-	-	-	-	-	1,036,276
TW02	Tank Safety Issue Resolution	-	-	-	-	-	-	-	222,577
TW03	Tank Farm Operations	-	-	-	-	-	-	-	4,819,671
TW04	Waste Retrieval	2,095	2,128	2,166	2,211	2,276	2,313	-	3,520,534
TW05	Process Waste Support	-	-	-	-	-	-	-	503,186
TW06	Privatization Phase 1	-	-	-	-	-	-	-	167,406
TW08	Privatization Infrastructure	-	-	-	-	-	-	-	2,442,934
TW09	Immobilized Waste Storage & Dispos	-	-	-	-	-	-	-	5,165,599
TW10	Management Support	-	-	-	-	-	-	-	1,489,225
	Sub Total	2,095	2,128	2,166	2,211	2,276	2,313	-	19,367,409
	Privatization								
TW04	Waste Retrieval	-	-	-	-	-	-	-	6,599,673
TW06	Privatization Phase 1	-	-	-	-	-	-	-	10,483,729
TW07	Privatization Phase 2	-	-	-	-	-	-	-	17,893,000
	RPP TOTAL	2,095	2,128	2,166	2,211	2,276	2,313	-	54,343,811

(1) All dollars displayed contain applicable escalation

8.0 MAJOR RISKS AND MITIGATION ACTIONS

Major Risk and Mitigation Actions

Risk Number	Risk Title	Risk Owner	Issue	Baseline Risk	Mitigating Actions
CR-032	222-S Analytical Laboratory Capability	Waste Feed Delivery	High-quality, accurate waste analysis for certification of transfers to BNFL Inc. cannot be provided unless the 222-S Laboratory staff, skill level, training, and technical capability are established and maintained throughout the Phase 1 work scope	If the analytical certification requirements are not consistent with a level-load staffing plan, the turnaround time and cost of analytical services will increase. Note: Laboratory risks also appear under "Human Resources"	1. Evaluate BNFL Inc. contract for requirements to use 222-S and/or WSCF laboratories (TBR 150.B29). 2. Evaluate backup laboratory option.
CR-046	LMHC Funding for 80% Confidence of Success	Planning and Integration	DOE Budget allocation will not support LMHC annual funding requirements, including sufficient risk mitigation funding to ensure an 80% confidence of successfully executing the RPP mission	If out-year funding for LMHC activities does not match the requirments, LMHC may not be able to support the April 1, 1999 guidance.	1. Ensure FY00 MYWP submittal supports June 21, 1999 Baseline Updating Guidance. 2. Validate sufficiency of funding during update to the baseline that will be performed in FY 1999 (TBR 720.740). 3. Implement SST Retrieval Program Plan

Major Risk and Mitigation Actions

Risk Number	Risk Title	Risk Owner	Issue	Baseline Risk	Mitigating Actions
CR-065	Maintaining Configuration Management of Critical Drawings	Projects	Projects are not currently required or funded to incorporate outstanding ECNs for work completed or to perform physical verification efforts before the design phase begins	If critical baseline plant drawings are not current and accurate at design phase initiation, delays in design, construction, and turnover phases may occur because reconciliation of project drawings with plant drawings is required for completion of ORR.	1. Continue the Operations As-Building Project to develop Operational P&IDs, incorporate ECNs, and perform field verification of plant-essential H-2 drawings as defined on the Tank Farm Essential Drawing Plan. 2 Projects will include ECN incorporation and field verification activities for those drawings not covered under the Operations As-Building Project. 3. Projects will reconcile project drawings with plant drawings before the ORR.

Major Risk and Mitigation Actions

Risk Number	Risk Title	Risk Owner	Issue	Baseline Risk	Mitigating Actions
CR-070	Increasing Obsolescence/ Deterioration of Tank Farm and Its Infrastructure	Waste Feed Delivery	SSTs have exceeded their design lives and much of the supporting piping, utility, and infrastructure, and many DSTS are deteriorating.	If LMHC loses one or more DSTS or suffers repeated failure of infrastructure support/ operating equipment as a result of overall funding delays or reductions, this will force reduction of emergency tank reserve capacity, and slow the retrieval and waste feed delivery activities.	1. Perform walk downs and evaluations of existing systems. 2.Conduct and complete RAM analysis. 3. Complete integrity assessment/ corrosion studies. 4. Develop and fund a comprehensive maintenance and spare parts program (TBR 130.B05). 5. Ensure redundancy in piping and high-risk infrastructure.

DOE	U.S. Department of Energy	ORR	Operational Readiness Review
DST	double-shell tank	P&ID	
ECP	Engineering Change Notice	RAM	
FY	fiscal year	RPP	River Protection Project
LMHC	Lockheed Martin Hanford Corporation	TBR	Technical Basis Review
MYWP	multi-year work plan	WSCF	Waste Sampling and Characterization Facility

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9.0 PROJECT BASELINE SUMMARY OVERVIEWS

9.1 TANK WASTE CHARACTERIZATION (TW01)

9.1.1 Mission Statement

Tank Waste Characterization (TW01) was established to characterize the Hanford Site high-level radioactive waste and to ensure safe storage and retrieval or disposal of this waste. This waste is stored in large, underground double-shell tanks and single-shell tanks. The work involved is to plan, sample, and analyze the tank waste, and report its contents. Activities include the following: program management, characterization data development , sampling equipment, samples and measurements, and sample analyses.

9.1.2 Tank Waste Characterization (TW01) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
TW01 Tank Waste Characterization											
1.1.1 TW CHARACTZ'N	Expense	57,706	48,317	35,429	29,973	38,536	38,099	37,158	37,938	38,872	39,549
	Line Item	-	-	-	-	-	-	-	-	-	-
TOTAL TW CHARACTZ'N		57,706	48,317	35,429	29,973	38,536	38,099	37,158	37,938	38,872	39,549

(1) All dollars displayed contain applicable escalation

9.1.2 Tank Waste Characterization (TW01) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
TW01 Tank Waste Characterization										
1.1.1 TW CHARACTZ'N	Expense	55,367	44,899	32,372	31,372	30,847	29,495	33,196	33,912	35,418
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL TW CHARACTZ'N		55,367	44,899	32,372	31,372	30,847	29,495	33,196	33,912	35,418

(1) All dollars displayed contain applicable escalation

9.1.2 Tank Waste Characterization (TW01) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
TW01 Tank Waste Characterization										
1.1.1 TW CHARACTZ'N	Expense	40,358	32,191	33,125	32,110	32,929	33,394	34,034	34,444	35,235
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL TW CHARACTZ'N		40,358	32,191	33,125	32,110	32,929	33,394	34,034	34,444	35,235

(1) All dollars displayed contain applicable escalation

9.1.2 Tank Waste Characterization (TW01) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY25	Life- Cycle Total
TW01 Tank Waste Characterization			
1.1.1 TW CHARACTZ'N	Expense	-	1,036,276
	Line Item	-	-
TOTAL TW CHARACTZ'N		-	1,036,276

(1) All dollars displayed contain applicable escalation

9.1.3 Budget Profile by Month (Execution Year)

9.1.3 Tank Waste Characterization (TW01) Budget Profile By Month (Execution Year) (1)
($000's)

Level 6 WBS		Fund Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1.1.1.1.1.1	Char'zn Proj Mgmt	Expense	318	301	318	301	301	346	301	330	331	286	346	300	3,775
1.1.1.1.1.2	Char'zn Data Develop	Expense	383	360	378	360	360	413	360	395	395	342	414	347	4,507
1.1.1.1.1.3	Sampling Equipment	Expense	284	280	284	280	280	288	246	271	271	257	312	272	3,345
1.1.1.1.1.4	Acq Samples & Meas'mt	Expense	740	1,155	1,300	977	988	803	1,326	1,478	1,884	807	400	202	12,060
1.1.1.1.1.5	Sample Analysis	Expense	458	427	438	384	427	504	484	556	617	685	758	510	6,286
Totals		Expense	2,191	2,523	2,724	2,302	2,356	2,354	2,697	3,030	3,558	2,377	2,230	1,631	29,973

(1) Monthly Profile Based Upon P3 Calendar Month Profile, NOT Accounting Realized Hours Calendar

Activity ID	Early Start	Early Finish	BCWS (000)	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP / FY01 OCT
1				Hanford Site
1.01				River Protection Project
1.01.01				Tank Waste Characterization
1.01.01.01				Tank Farm System
1.01.01.01.01				Sample & Characterize Tank Waste
1.01.01.01.01.01				Characterization Project Management
100.100	01OCT98*	30SEP24	11,883.10	Provide Characterization PM/ES&Q/QA
100.500	30SEP98*	21JUN18	6,680.40	Characterization Lab Anal to meet Program Needs
1.01.01.01.01.02				Characterization Data Development
100.2B1	01OCT99*	29SEP00	66.70	Ann TSB-WIRD Rpt to ORP/Ecology (M-44-15D)
100.2B2	01OCT99*	30JUN00	120.50	Draft 2001 TSB-WIRD (M-44-13D)
100.2B3	01OCT99*	29SEP00	29.60	Adjust/Maintain Current TSB-WIRD
100.2B4		30JUN00*	0.00	Submit Draft WIRD for FY2001 to Ecol (M-44-13D) T01-00-103HEI
100.2B5	05JUL00*	31AUG00	28.00	Final 2001 TSB-WIRD (M-44-14D)
100.2B6		31AUG00*	0.00	Submit Final WIRD for FY2001 to Ecol (M-44-14D) T01-00-104HEI
100.2B7		29SEP00*	0.00	Iss Char Del Cons wTSB WIRD/FY2000 (M-44-15D) T01-00-105

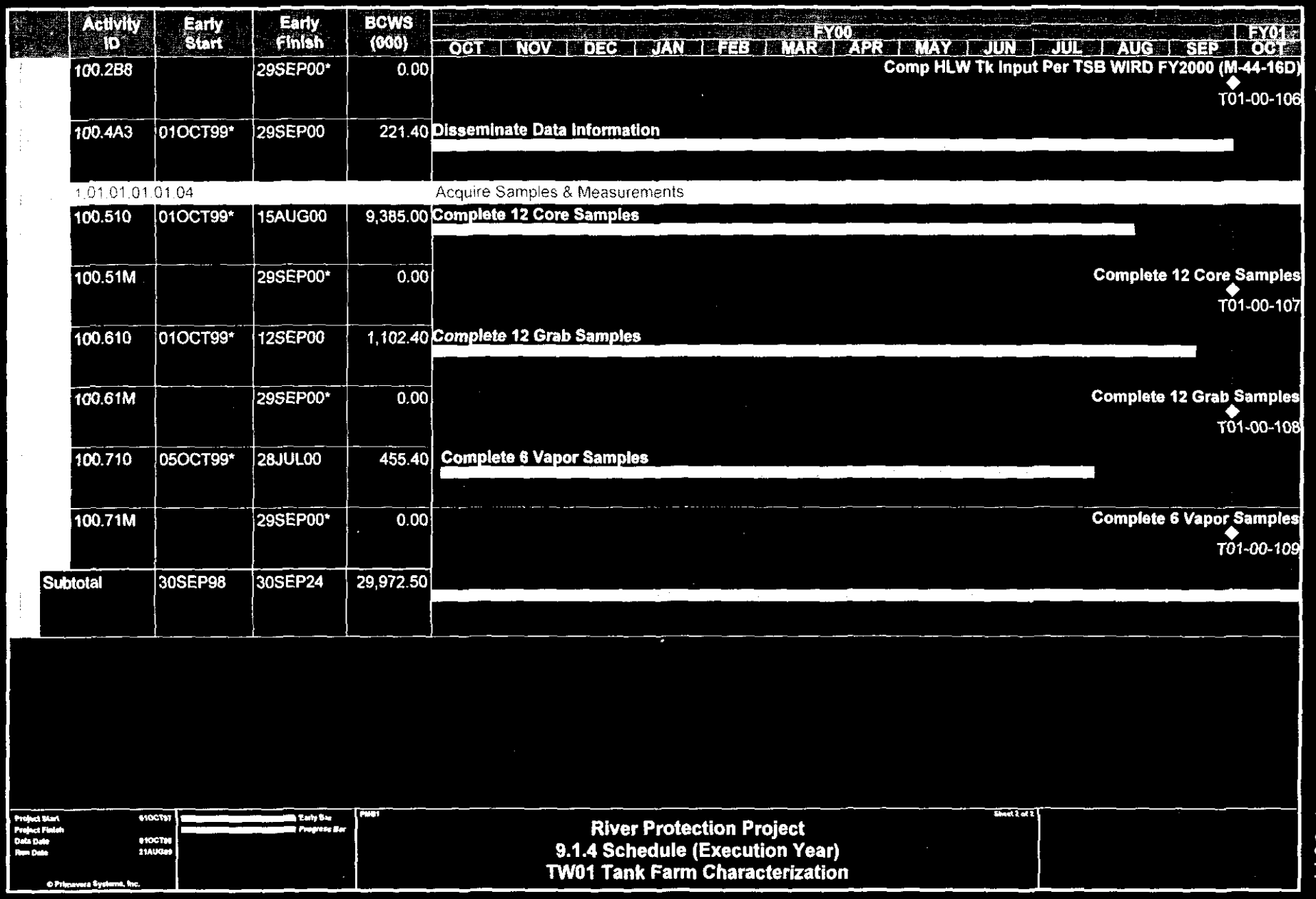
Project Start 01OCT97
Project Finish
Data Date 01OCT98
Run Date 21AUG99

Early Bar
Progress Bar

PMB1

Sheet 1 of 2

River Protection Project
9.1.4 Schedule (Execution Year)
TW01 Tank Farm Characterization


Activity ID
Early Start
Early Finish
BCWS (000)
FY00
FY01
OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT
100.2B8 29SEP00* 0.00
Comp HLW Tk Input Per TSB WIRD FY2000 (M-44-16D)
T01-00-106
100.4A3 01OCT99* 29SEP00 221.40
Disseminate Data Information
1.01.01.01.01.04
Acquire Samples & Measurements
100.510 01OCT99* 15AUG00 9,385.00
Complete 12 Core Samples
100.51M 29SEP00* 0.00
Complete 12 Core Samples
T01-00-107
100.610 01OCT99* 12SEP00 1,102.40
Complete 12 Grab Samples
100.61M 29SEP00* 0.00
Complete 12 Grab Samples
T01-00-108
100.710 05OCT99* 28JUL00 455.40
Complete 6 Vapor Samples
100.71M 29SEP00* 0.00
Complete 6 Vapor Samples
T01-00-109
Subtotal 30SEP98 30SEP24 29,972.50
Project Start 01OCT99
Project Finish
Data Date 01OCT99
Run Date 21AUG00
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Early Bar
Progress Bar
PMB1
Sheet 2 of 2
River Protection Project
9.1.4 Schedule (Execution Year)
TW01 Tank Farm Characterization

9.1.5 Tank Waste Characterization Milestone Log (Execution Year)

MS #	Title	Level	DNFSB/ TPA #	Schedule Date	TPA Date
T01-00-103	Submit Draft WIRD for FY 2001 to Ecology	HQ-I	M-44-13D	30-Jun-00	30-Jun-00
T01-00-104	Submit Final WIRD for FY 2001 to Ecology	HQ-I	M-44-14D	31-Aug-00	31-Aug-00
T01-00-105	Issue Characterization Deliverables Consistent with WIRD Developed for FY 2000	HQ-I	M-44-15D	29-Sep-00	30-Sep-00
T01-00-106	Complete Input of Characterization Information for HLW Tanks for which Sampling and Analysis Were Completed per WIRD	HQ-I	M-44-16D	29-Sep-00	30-Sep-00
T01-00-107	Complete 12 Core Samples	ORP	-	29-Sep-00	-
T01-00-108	Complete 12 Grab Samples	ORP	-	29-Sep-00	-
T01-00-109	Complete 6 Vapor Samples	ORP	-	29-Sep-00	-

FY	fiscal year
HLW	high-level waste
WIRD	Waste Information Requirements Document

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9.2 TANK SAFETY ISSUE RESOLUTION (TW02)

9.2.1 Mission Statement

This project is designed to provide an adequate, comprehensive, and reliable safety basis for the RPP to manage and store waste. This will be accomplished by developing and maintaining an integrated Authorization Basis and by resolving outstanding safety issues to ensure safe storage of waste.

The Tank Safety Issue Resolution Project was established to address hazards associated with storing radioactive mixed waste in the large underground storage tanks at the Hanford Site. Safety issues have been raised for flammable gas and organic complexants stored in single-shell tanks, double-shell tanks, and ancillary facilities. In response to Public Law 101-510, Section 3137, "Safety Measures for Waste Tanks at Hanford Nuclear Reservation," tanks for which the concern is highest have been placed on the Watch List. This project develops the technical basis for closing unreviewed safety questions (USQ), resolving the safety issues, and removing all tanks from the Watch List. It also supports upgrades to the Final Safety Analysis Report (FSAR), which is the authorization basis for safe operations of the tank farms and continued safe storage of the tank contents.

9.2.2 Life-Cycle Costs by Fiscal Year

9.2.2 Tank Safety Issue Resolution (TW02) Life-Cycle Costs (by Fiscal Year)
($000's) (1)

	Fund Type	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
TW02 Tank Safety Issue Resolution											
1.1.2 T SAFETY ISSUE RESOL-TN	Expense	34,070	30,205	34,699	24,199	27,437	12,567	11,805	9,246	9,661	9,366
	Line Item	---	---	---	---	---	---	---	---	---	---
TOTAL T SAFETY ISSUE RES		34,070	30,205	34,699	24,199	27,437	12,567	11,805	9,246	9,661	9,366

(1) All dollars displayed contain applicable escalation

9.2.2 Tank Safety Issue Resolution (TW02) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY07	FY08	FY09	Life- Cycle Total
TW02 Tank Safety Issue Resolution					
1.1.2 T SAFETY ISSUE RESOL'TN	Expense	9,561	9,762	-	222,577
	Line Item	-	-	-	-
TOTAL T SAFETY ISSUE RES		9,561	9,762	-	222,577

(1) All dollars displayed contain applicable escalation

9.2.3 Budget Profile by Month (Execution Year)

9.2.3 Tank Safety Issue Resolution (TW02) Budget Profile By Month (Execution Year) (1)
($000's)

Level 6 Title		Fund Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1.1.2.1.1.1	Flammable Gas	Expense	1,095	1,177	1,265	1,265	1,218	1,361	1,042	1,458	1,841	1,348	1,238	895	15,001
1.1.2.1.1.2	Project Management	Expense	69	66	69	66	66	76	66	72	72	63	76	66	827
1.1.2.1.1.3	Organic	Expense	15	14	15	22	34	39	34	37	37	32	39	32	350
1.1.2.1.1.4	High Heat	Expense	33	32	48	27	15	0	0	0	0	0	0	0	155
1.1.2.1.1.5	Authorization Basis	Expense	665	654	687	625	714	775	665	698	535	545	648	545	7,988
Totals		Expense	1,877	1,943	2,084	2,015	2,047	2,251	1,807	2,265	2,385	1,988	1,999	1,538	24,199

(1) Monthly Profile Based Upon P3 Calendar Month Profile, NOT Accounting Realized Hours Calendar

	Activity ID	Early Start	Early Finish	BCWS (000)	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
1					Hanford Site	
1.01					River Protection Project	
1.01 02					TANK SAFETY ISSUE RESOLUTION PROJECT	
1.01.02 01					TANK FARM SYSTEM	
1.01.02.01 01					ESTABLISH AND MAINTAIN SAFETY AUTH BASIS	
1.01.02.01.01.01					FLAMMABLE GAS	
	030.100	01OCT99	28SEP01	4,069.90	Resolve Flammability Safety Issue	
1.01.02.01.01.02					NS&L PROJECT MANAGEMENT	
	180.A00	01OCT99	30SEP08	3,379.80	Maintain Authorization Basis	
1.01.02.01.01.03					ORGANIC	
	020.100	01OCT99	30SEP02	350.00	Resolve Organic Safety Issues	
1.01.02.01.01.04					HIGH HEAT	
	010.100	01OCT99	29SEP00	16,353.10	Tank Safety Issue Resolution Project	
	050.100	01OCT99	31DEC99	46.40	Monitor Resolution of High Heat Safety Issue	
	050.100A		31DEC99	0.00	Transmit Rpt to Resolve HH SI DNFSB 5.4.3.6.d	
					T02-99-100FOX	
Subtotal		01OCT99	30SEP08	24,199.20		

Project Start 01OCT99
Project Finish 30SEP08
Data Date 01OCT99
Run Date 21AUG99

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Early Bar
Progress Bar
Critical Activity

PM02

Sheet 1 of 1

River Protection Project
9.2.4 Schedule (Execution Year)
TW02 TANK SAFETY ISSUE RESOLUTION

9.2.5 Milestone Log (Execution Year)

9.2.5 Tank Safety Issue Resolution Milestone Log (Execution Year)

MS #	Title	Level	DNFSB/TPA #	Schedule Date	DNFSB Date
T02-99-100	Transmit Letter to DNFSB Reporting Completion of Topical Report to Resolve High Heat Safety Issue	FO	5.4.3.6.d	31-Dec-99	31-May-98

DNFSB Defense Nuclear Facilities Safety Board

9.3 TANK FARM OPERATIONS (TW03)

9.3.1 Mission Statement

Tank Farms Operations operates and maintains the RPP mission-required tank farm systems, structures, and components (SSC) in a safe, reliable, and operable condition to meet mission requirements. The technical approach to Tank Farms Operations is to conduct all activities pertaining to the operation of a permitted treatment, storage, and disposal (TSD) facility within the boundary of the current Authorization Basis and in a manner that ensures compliance with all applicable Federal, State, and local laws and regulations. (Ensuring a safe working environment for all employees and support groups also is a top priority.) Tank Farm Operations performs all operations support functions required for routine surveillance, operation, and maintenance of the 200 East Area and 200 West Area tank farms. These functions include the following:

- Performing preventive and corrective maintenance (routine and non-routine)
- Performing waste transfers to feed tanks in support of waste concentration operations
- Conducting radiological health physics activities
- Conducting routine surveillance monitoring
- Conducting industrial hygiene and safety functions
- Performing engineering and analysis (trade studies and analysis capability upgrades)
- Managing and controlling projects and upgrades to facilities and infrastructure
- Enhancing the safety of facility operations and preparing the facilities for eventual turnover to the Retrieval Project for closure.

In addition, Tank Farms Operations has the mandate to pump interstitial liquid from the aging, single-shell tanks in the 200 Area Tank Farms and transfer it to the safer, compliant double shell tanks in accordance with the Consent Decree, Tri-Party Agreement milestones, and other schedules as set by DOE.

9.3.2 Tank Farm Operations (TW03) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
TW03 Tank Farm Operations											
	Expense	108,880	92,161	128,605	133,974	154,110	136,309	134,267	103,925	116,398	92,660
	Expense	3,505	2,138	5,700	5,700	7,388	7,441	4,709	2,749	3,009	2,945
	Line Item	7,584	13,434	12,885	20,516	51,324	44,172	21,796	14,120	20,097	16,739
TOTAL W-314		11,089	15,572	18,585	26,216	58,712	51,613	26,504	16,869	23,106	19,684
	Expense	5,330	8,810	-	-	-	-	-	-	-	-
	Line Item	6,745	2,972	-	-	-	-	-	-	-	-
TOTAL W-030		12,075	11,782	-	-	-	-	-	-	-	-
	Expense	1,978	1,075	-	-	-	-	-	-	-	-
	Line Item	22,926	2,283	-	-	-	-	-	-	-	-
TOTAL W-058		24,904	3,358	-	-	-	-	-	-	-	-
1.1.3 TF OPERN'S	Expense	119,693	104,184	134,305	139,674	161,498	143,749	138,975	106,674	119,407	95,605
	Line Item	37,255	18,689	12,885	20,516	51,324	44,172	21,796	14,120	20,097	16,739
TOTAL TF OPERATIONS		156,948	122,873	147,190	160,190	212,822	187,922	160,771	120,794	139,504	112,344

(1) All dollars displayed contain applicable escalation

9.3.2 Tank Farm Operations (TW03) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
TW03 Tank Farm Operations										
	Expense	106,760	100,025	101,856	101,141	102,780	104,519	105,415	100,670	103,519
	Expense	2,173	-	-	-	-	-	-	-	-
	Line Item	1,878	-	-	-	-	-	-	-	-
TOTAL W-314		4,051	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-030		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-058		-	-	-	-	-	-	-	-	-
1.1.3 TF OPERN'S	Expense	108,933	100,025	101,856	101,141	102,780	104,519	105,415	100,670	103,519
	Line Item	1,878	-	-	-	-	-	-	-	-
TOTAL TF OPERATIONS		110,811	100,025	101,856	101,141	102,780	104,519	105,415	100,670	103,519

(1) All dollars displayed contain applicable escalation

9.3.2 Tank Farm Operations (TW03) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
TW03 Tank Farm Operations										
	Expense	105,268	106,646	109,738	111,607	114,394	118,160	119,694	120,766	123,553
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-314		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-030		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-058		-	-	-	-	-	-	-	-	-
1.1.3 TF OPERN'S	Expense	105,268	106,646	109,738	111,607	114,394	118,160	119,694	120,766	123,553
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL TF OPERATIONS		105,268	106,646	109,738	111,607	114,394	118,160	119,694	120,766	123,553

(1) *All dollars displayed contain applicable escalation*

9.3.2 Tank Farm Operations (TW03) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33
TW03 Tank Farm Operations										
	Expense	121,623	124,224	126,834	129,501	131,698	134,999	137,834	141,285	143,682
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-314		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-030		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-058		-	-	-	-	-	-	-	-	-
1.1.3 TF OPERN'S	Expense	121,623	124,224	126,834	129,501	131,698	134,999	137,834	141,285	143,682
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL TF OPERATIONS		121,623	124,224	126,834	129,501	131,698	134,999	137,834	141,285	143,682

(1) All dollars displayed contain applicable escalation

9.3.2 Tank Farm Operations (TW03) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY34	FY35	Life-Cycle Total
TW03 Tank Farm Operations				
	Expense	146,071	-	4,495,549
	Expense	-	-	47,457
	Line Item	-	-	224,545
TOTAL W-314		-	-	272,002
	Expense	-	-	14,140
	Line Item	-	-	9,717
TOTAL W-030		-	-	23,857
	Expense	-	-	3,053
	Line Item	-	-	25,209
TOTAL W-058		-	-	28,262
1.1.3 TF OPERN'S	Expense	146,071	-	4,560,200
	Line Item	-	-	259,471
TOTAL TF OPERATIONS		146,071	-	4,819,671

(1) All dollars displayed contain applicable escalation

9.3.3 Budget Profile by Month (Execution Year)

9.3.3 Tank Farm Operations (TW03) Budget Profile By Month (Execution Year) (1)
($000's)

Level 6 Title		Fund Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1.1.3.1.1.1	Project Management	Expense	3,054	2,823	2,820	2,901	2,762	3,177	2,762	3,037	3,021	2,742	3,155	2,745	34,999
1.1.3.1.1.2	Ancillary Facilities	Expense	186	182	176	236	283	180	156	172	172	156	180	157	2,236
1.1.3.1.1.3	Deactivating Facilities	Expense	16	15	15	16	15	18	15	17	17	15	18	16	193
1.1.3.1.1.4	Waste Process Facility	Expense	52	49	49	52	49	57	49	54	54	49	57	49	620
1.1.3.1.1.5	Tank Farm Complexes	Expense	1,418	1,351	1,351	1,418	1,351	1,554	1,351	1,486	1,486	1,351	1,554	1,351	17,022
1.1.3.1.1.6	Waste Transfers	Expense	804	674	538	556	491	560	510	599	558	512	536	466	6,804
1.1.3.1.1.7	Essential Services	Expense	3,019	2,576	2,430	2,289	2,105	2,411	2,093	2,317	2,320	2,101	2,398	2,107	28,166
1.1.3.1.1.8	Drawing & Labeling	Expense	1,012	796	1,095	939	804	785	644	687	643	510	463	320	8,698
1.1.3.1.1.9	Interim SST Stab'zn(SWP)	Expense	2,797	2,385	2,477	3,049	3,381	3,822	2,962	3,115	2,431	2,841	2,821	2,899	35,000
1.1.3.1.1.10	Project W-314	Expense	342	279	279	293	279	316	285	319	319	355	408	2,224	5,700
		Line Item	1,413	1,273	1,214	1,274	1,375	1,720	1,453	1,606	1,598	1,764	2,045	3,781	20,516
			1,755	1,552	1,493	1,567	1,654	2,036	1,738	1,925	1,917	2,119	2,453	6,005	26,216
Totals (W/O W-314/W030/W-068)		Expense	12,384	10,876	10,976	11,474	11,258	12,583	10,579	11,502	10,720	10,294	11,201	10,127	133,974
Totals		Expense	12,726	11,155	11,255	11,767	11,537	12,901	10,864	11,821	11,038	10,649	11,609	12,351	139,674
		Line Item	1,413	1,273	1,214	1,274	1,375	1,720	1,453	1,606	1,598	1,764	2,045	3,781	20,516
			14,139	12,428	12,469	13,041	12,912	14,621	12,317	13,427	12,637	12,413	13,654	16,132	160,190

(1) Monthly Profile Based Upon P3 Calendar Month Profile, NOT Accounting Realized Hours Calendar

Hanford Environmental Management

River Protection Project

1

1.01

1.01.03 Tank Farm Operations

1.01.03.01 Tank Farm System

1.01.03.01.01 Maint Safe & Comp Waste in TF System

1.01.03.01.01.06 Waste Transfers

320.A00	01OCT99	30JUN10	134.30	Conduct Waste Consolidation And Reduction Ops
320.A10	01OCT99	30SEP13	5,847.50	Conduct Operation of Evaporator

1.01.03.01.01.07 Essential Services

190.A00	01OCT99	30SEP34	83,865.40	Operate and Maintain Tank Farms
190.BI1	01OCT99	29SEP34	108.60	Provide DST Waste Inventory Ctrl (WIC) Grp
190.BI2		30NOV99	82.24	M-46-01F Concurence of Add'l Tank Acquisition
				T03-00-104HEI
190.BM1	01OCT99	29SEP34	160.30	Revise Op Waste Volume Projection Document
680.A00	01OCT99	29SEP34	5,559.80	Prform Tank Farm Compliance Enhancements

1.01.03.01.01.08 Drawing and Labeling

240.A00	01OCT99	20SEP06	3,062.00	Install Remote Monitoring Equipment

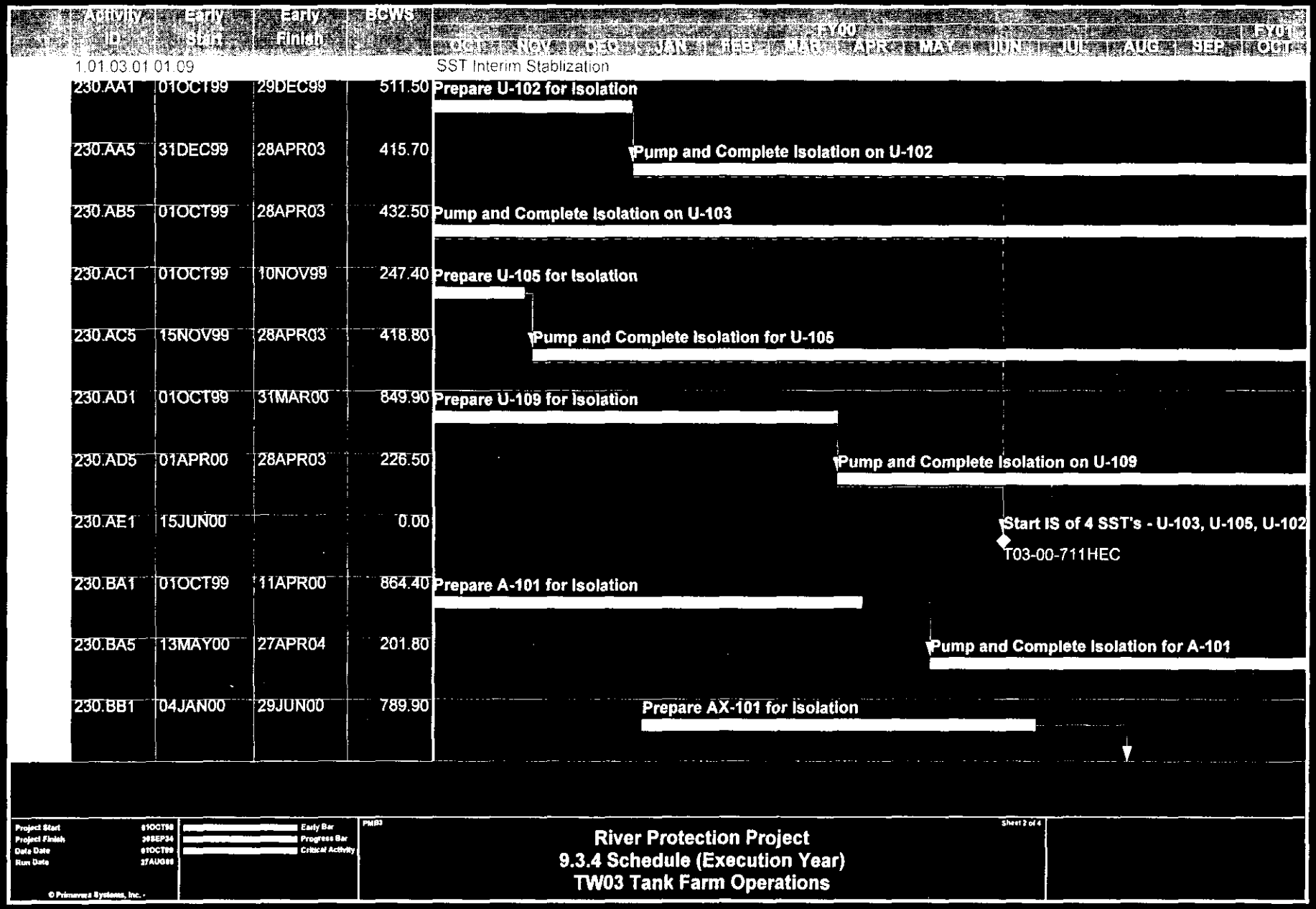
Project Start 01OCT99
Project Finish 30SEP34
Data Date 01OCT99
Run Date 27AUG99

Early Bar
Progress Bar
Critical Activity

PMB3

Sheet 1 of 4

River Protection Project
9.3.4 Schedule (Execution Year)
TW03 Tank Farm Operations


Activity ID
Early Start
Early Finish
BCWS
FY00
FY01
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
1.01.03.01 01.09
SST Interim Stablization
230.AA1 01OCT99 29DEC99 511.50
Prepare U-102 for Isolation
230.AA5 31DEC99 28APR03 415.70
Pump and Complete Isolation on U-102
230.AB5 01OCT99 28APR03 432.50
Pump and Complete Isolation on U-103
230.AC1 01OCT99 10NOV99 247.40
Prepare U-105 for Isolation
230.AC5 15NOV99 28APR03 418.80
Pump and Complete Isolation for U-105
230.AD1 01OCT99 31MAR00 849.90
Prepare U-109 for Isolation
230.AD5 01APR00 28APR03 226.50
Pump and Complete Isolation on U-109
230.AE1 15JUN00 0.00
Start IS of 4 SST's - U-103, U-105, U-102
T03-00-711HEC
230.BA1 01OCT99 11APR00 864.40
Prepare A-101 for Isolation
230.BA5 13MAY00 27APR04 201.80
Pump and Complete Isolation for A-101
230.BB1 04JAN00 29JUN00 789.90
Prepare AX-101 for Isolation
Project Start 01OCT99
Project Finish 28SEP34
Data Date 01OCT99
Run Date 27AUG99
Early Bar
Progress Bar
Critical Activity
PMB3
Sheet 2 of 4
River Protection Project
9.3.4 Schedule (Execution Year)
TW03 Tank Farm Operations
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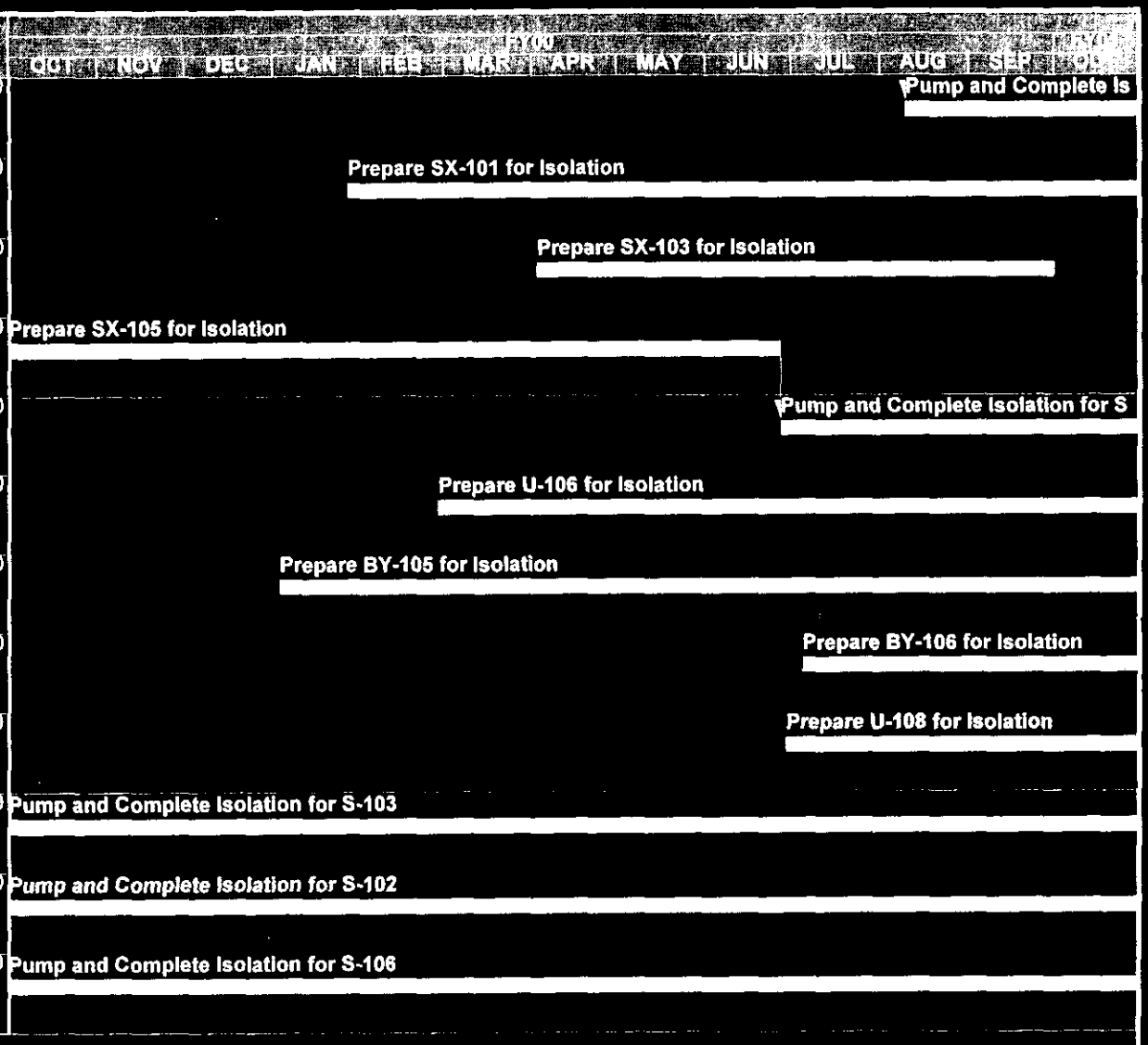
Activity ID	Early Start	Early Finish	BCWS
230.BB5	10AUG00	30SEP03	189.80
230.CA1	28JAN00	10NOV00	1,071.30
230.CB1	03APR00	30SEP00	1,131.40
230.CC1	01OCT99	26JUN00	1,496.90
230.CC5	27JUN00	02SEP03	189.10
230.CD1	28FEB00	28DEC00	876.50
230.DA1	04JAN00	16FEB01	821.30
230.DB1	05JUL00	01FEB01	918.10
230.ED1	29JUN00	11MAY01	678.40
230.GB5	01OCT99	27APR04	306.30
230.GC5	01OCT99	27APR04	437.40
230.GD5	01OCT99	27APR04	427.30



Project Start 01OCT99
Project Finish 30SEP34
Data Date 01OCT99
Run Date 27AUG99

Early Bar
Progress Bar
Critical Activity

PMBJ

Sheet 3 of 4

River Protection Project
9.3.4 Schedule (Execution Year)
TW03 Tank Farm Operations

Activity ID	Early Start	Early Finish	BCWS	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
230.GE5	01OCT99	22JAN04	427.50	Pump and Complete Isolation for SX-104	
230.GF5	01OCT99	23JAN02	406.40	Pump and Complete Isolation for SX-106	
230.GG5	01OCT99	23JAN02	42.00	Pump and complete Isolation on T-104	
230.GH5	01OCT99	23JAN02	206.00	Pump and Complete Isolation on T-110	
230.GJ1	01OCT99	30SEP02	178.70	Prepare C-103 for Isolation	
230.HA1	01OCT99	30SEP05	20,236.90	Complete Misc Isolation Activities	
1.01.03.01.03				Transition Tank Farm Facilities	
1.01.03.01.03.01				Deactivate Facilities	
670.A00	01OCT99	30SEP09	235.50	Disposition Inactive Tank Farm Facilities	
Subtotal	01OCT99	30SEP34	133,973.10		

Project Start 01OCT99	Early Bar	PMS3	Sheet 4 of 4
Project Finish 30SEP34	Progress Bar	River Protection Project	
Data Date 01OCT99	Critical Activity	9.3.4 Schedule (Execution Year)	
Run Date 27AUG99		TW03 Tank Farm Operations	

9.3.5 Tank Farm Operations Milestone Log (Execution Year)

MS #	Title	Level	DNFSB/ TPA #	Schedule Date	TPA Date
T03-00-056	M-43-13 Start Construction for Upgrades in the 2nd Tank Farm	HQ-I	M-43-13	1-Oct-99	01-Oct-99
T03-00-104	M-46-01F Concurrence of Additional Tank Acquisition	HQ-I	M-46-01F	30-Nov-99	30-Nov-99
T03-00-711	Start Interim Stabilization of 4 Single-Shell Tanks - 241-U-103, 241-U-105, 241-U-102, 241-U-109 (Consent Decree Items 8,9,10, and 11)	HQ-C	D-001-04	15-Jun-00	15-Jun-00
T03-01-057	M-43-14 Start Construction for Upgrades in the 3rd Tank Farm	HQ-I	M-43-14	3-Jul-00	31-Mar-01
T03-00-105	M-46-00G Double-Shell Tank Space Evaluation	HQ-I	M-46-00G	29-Sep-00	30-Sep-00
T03-00-743	Reduce Total Organic Complexed Pumpable Liquids to 38% of Total Volume from Single-Shell Tanks	HQ-C	D-001-05V	30-Sep-00	30-Sep-00

9.4 RETRIEVAL (TW04)

9.4.1 Mission Statement

The mission of the Retrieval Project is, "in an environmentally sound, safe, secure, and cost-effective manner, to:

1. Retrieve wastes from single-shell tanks, double-shell tanks, and designated miscellaneous underground storage tanks;

2. Provide waste to privatization contractors for processing; and

3. Close those tanks in accordance with regulatory requirements."

The Retrieval Project will establish the functions and requirements and install the equipment needed to deliver the proper waste feed on schedule to the private immobilization contractor for Privatization Phase 1, and transition the waste retrieval and treatment to private contractors for Privatization Phase 2.

The TWRS Environmental Impact Statement Record of Decision calls for retrieving waste from all 149 single-shell tanks, 28 double-shell tanks, and miscellaneous underground storage tanks. Until all waste is retrieved, the double-shell tanks must be used to store and prepare waste retrieved from single-shell and miscellaneous underground storage tanks for waste treatment facilities.

9.4.2 Waste Retrieval (TW04) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
TW04 Waste Retrieval										
	Expense	24,661	51,280	51,530	27,266	28,715	35,355	31,064	44,235	77,662
	Line Item	-	-	-	-	-	-	-	2,425	10,298
	Expense	235	359	1,400	-	-	-	-	-	-
	Line Item	440	-	-	-	-	-	-	-	-
TOTAL W-151		675	359	1,400	-	-	-	-	-	-
	Expense	983	1,207	800	843	1,011	1,036	801	798	787
	Line Item	7,600	14,839	4,100	4,061	26,029	28,661	26,604	20,886	11,705
TOTAL W-211		8,583	16,046	4,900	4,904	27,040	29,699	27,406	21,684	12,492
	Expense	-	-	-	21,741	21,614	30,731	26,983	35,128	35,720
	Line Item	-	-	-	-	13,925	48,902	85,115	53,504	37,646
TOTAL W-521		-	-	-	21,741	35,539	79,633	112,098	88,632	73,367
	Expense	-	-	-	-	-	326	8,153	10,041	6,108
	Line Item	-	-	-	-	341	28,704	57,912	54,565	14,890
TOTAL W-YYY		-	-	-	-	341	29,030	66,065	64,606	20,997
1.1.4 WASTE RETRIEVAL (Without PRIVATIZATION)										
	Expense	25,879	52,846	53,730	49,872	51,339	67,451	67,001	90,201	120,277
	Line Item	8,040	14,839	4,100	4,061	40,295	106,267	169,632	131,380	74,540
TOTAL WASTE RETRIEVAL		33,919	67,685	57,830	53,933	91,634	173,718	236,632	221,582	194,816
TW04 Waste Retrieval (PRIVATIZATION)										
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PRIVATIZATION		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL	Expense	25,879	52,846	53,730	49,872	51,339	67,451	67,001	90,201	120,277
	Line Item	8,040	14,839	4,100	4,061	40,295	106,267	169,632	131,380	74,540
TOTAL WASTE RETRIEVAL		33,919	67,685	57,830	53,933	91,634	173,718	236,632	221,582	194,816

(1) All dollars displayed contain applicable escalation

9.4.2 Waste Retrieval (TW04) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
TW04 Waste Retrieval										
	Expense	69,578	82,416	93,623	68,895	59,087	36,293	33,285	16,349	18,947
	Line Item	21,558	49,108	58,064	54,931	46,663	51,291	58,327	103,371	39,698
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-151		-	-	-	-	-	-	-	-	-
	Expense	775	763	759	743	728	347	-	-	-
	Line Item	14,815	17,438	10,887	10,072	3,332	456	-	-	-
TOTAL W-211		15,590	18,202	11,646	10,815	4,059	803	-	-	-
	Expense	34,450	19,595	22,869	22,893	23,042	25,160	19,331	21,278	23,022
	Line Item	22,706	56,217	33,067	55,599	34,580	21,192	55,476	48,407	37,093
TOTAL W-521		57,156	75,812	55,936	78,493	57,622	46,352	74,807	69,684	60,115
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-YYY		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL (Without PRIVATIZATION)										
	Expense	104,802	102,775	117,251	92,531	82,856	61,799	52,616	37,626	41,969
	Line Item	59,080	122,764	102,018	120,603	84,575	72,939	113,802	151,778	76,790
TOTAL WASTE RETRIEVAL		163,882	225,539	219,270	213,134	167,431	134,739	166,418	189,404	118,760
TW04 Waste Retrieval (PRIVATIZATION)										
	Expense	-	3,551	7,140	6,050	7,412	2,419	-	-	-
	Line Item	-	2,717	17,323	35,991	349,988	571,533	815,943	926,982	996,719
TOTAL PRIVATIZATION		-	6,268	24,463	42,041	357,400	573,953	815,943	926,982	996,719
1.1.4 WASTE RETRIEVAL	Expense	104,802	106,326	124,391	98,581	90,268	64,219	52,616	37,626	41,969
	Line Item	59,080	125,481	119,342	156,593	434,563	644,472	929,746	1,078,760	1,073,510
TOTAL WASTE RETRIEVAL		163,882	231,806	243,733	255,174	524,831	708,691	982,361	1,116,386	1,115,479

(1) All dollars displayed contain applicable escalation

9.4.2 Waste Retrieval (TW04) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23
TW04 Waste Retrieval										
	Expense	21,545	18,934	20,778	20,728	13,159	13,656	24,319	24,989	33,410
	Line Item	19,823	10,826	834	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-151		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-211		-	-	-	-	-	-	-	-	-
	Expense	23,273	20,814	19,977	20,284	355	149	-	-	-
	Line Item	13,060	5,104	-	-	-	-	-	-	-
TOTAL W-521		36,333	25,918	19,977	20,284	355	149	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-YYY		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL (Without PRIVATIZATION)										
	Expense	44,819	39,748	40,755	41,012	13,514	13,805	24,319	24,989	33,410
	Line Item	32,883	15,930	834	-	-	-	-	-	-
TOTAL WASTE RETRIEVAL		77,702	55,678	41,589	41,012	13,514	13,805	24,319	24,989	33,410
TW04 Waste Retrieval (PRIVATIZATION)										
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	959,183	897,408	612,068	382,342	4,097	806	-	-	-
TOTAL PRIVATIZATION		959,183	897,408	612,068	382,342	4,097	806	-	-	-
1.1.4 WASTE RETRIEVAL	Expense	44,819	39,748	40,755	41,012	13,514	13,805	24,319	24,989	33,410
	Line Item	992,066	913,338	612,902	382,342	4,097	806	-	-	-
TOTAL WASTE RETRIEVAL		1,036,884	953,087	653,657	423,354	17,611	14,611	24,319	24,989	33,410

(1) All dollars displayed contain applicable escalation

9.4.2 Waste Retrieval (TW04) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32
TW04 Waste Retrieval										
	Expense	33,641	17,553	17,957	23,075	36,741	40,547	41,563	42,708	50,886
	Line Item	-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-151		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-211		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-521		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-YYY		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL (Without PRIVATIZATION)										
	Expense	33,641	17,553	17,957	23,075	36,741	40,547	41,563	42,708	50,886
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL WASTE RETRIEVAL		33,641	17,553	17,957	23,075	36,741	40,547	41,563	42,708	50,886
TW04 Waste Retrieval (PRIVATIZATION)										
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PRIVATIZATION		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL	Expense	33,641	17,553	17,957	23,075	36,741	40,547	41,563	42,708	50,886
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL WASTE RETRIEVAL		33,641	17,553	17,957	23,075	36,741	40,547	41,563	42,708	50,886

(1) All dollars displayed contain applicable escalation

9.4.2 Waste Retrieval (TW04) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY33	FY34	FY35	FY36	FY37	FY38	FY39	FY40	FY41
TW04 Waste Retrieval										
	Expense	46,427	46,684	14,227	1,270	1,292	1,319	1,347	1,371	1,404
	Line Item	-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-151		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-211		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-521		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-YYY		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL (Without PRIVATIZATION)										
	Expense	46,427	46,684	14,227	1,270	1,292	1,319	1,347	1,371	1,404
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL WASTE RETRIEVAL		46,427	46,684	14,227	1,270	1,292	1,319	1,347	1,371	1,404
TW04 Waste Retrieval (PRIVATIZATION)										
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PRIVATIZATION		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL	Expense	46,427	46,684	14,227	1,270	1,292	1,319	1,347	1,371	1,404
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL WASTE RETRIEVAL		46,427	46,684	14,227	1,270	1,292	1,319	1,347	1,371	1,404

(1) All dollars displayed contain applicable escalation

9.4.2 Waste Retrieval (TW04) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY42	FY43	FY44	FY45	FY46	FY47	FY48	FY49	FY50
TW04 Waste Retrieval										
	Expense	1,434	1,464	1,500	1,521	1,553	1,594	1,632	1,661	1,696
	Line Item	-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-151		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-211		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-521		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-YYY		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL (Without PRIVATIZATION)										
	Expense	1,434	1,464	1,500	1,521	1,553	1,594	1,632	1,661	1,696
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL WASTE RETRIEVAL		1,434	1,464	1,500	1,521	1,553	1,594	1,632	1,661	1,696
TW04 Waste Retrieval (PRIVATIZATION)										
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PRIVATIZATION		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL	Expense	1,434	1,464	1,500	1,521	1,553	1,594	1,632	1,661	1,696
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL WASTE RETRIEVAL		1,434	1,464	1,500	1,521	1,553	1,594	1,632	1,661	1,696

(1) All dollars displayed contain applicable escalation

9.4.2 Waste Retrieval (TW04) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY51	FY52	FY53	FY54	FY55	FY56	FY57	FY58	FY59
TW04 Waste Retrieval										
	Expense	1,723	1,768	1,805	1,843	1,882	1,921	1,952	1,999	2,041
	Line Item	-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-151		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-211		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-521		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-YYY		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL (Without PRIVATIZATION)										
	Expense	1,723	1,768	1,805	1,843	1,882	1,921	1,952	1,999	2,041
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL WASTE RETRIEVAL		1,723	1,768	1,805	1,843	1,882	1,921	1,952	1,999	2,041
TW04 Waste Retrieval (PRIVATIZATION)										
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PRIVATIZATION		-	-	-	-	-	-	-	-	-
1.1.4 WASTE RETRIEVAL	Expense	1,723	1,768	1,805	1,843	1,882	1,921	1,952	1,999	2,041
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL WASTE RETRIEVAL		1,723	1,768	1,805	1,843	1,882	1,921	1,952	1,999	2,041

(1) All dollars displayed contain applicable escalation

9.4.2 Waste Retrieval (TW04) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY60	FY61	FY62	FY63	FY64	FY65	FY66	Life- Cycle Total
TW04 Waste Retrieval									
	Expense	2,095	2,128	2,166	2,211	2,276	2,313	-	1,505,972
	Line Item	-	-	-	-	-	-	-	527,217
	Expense	-	-	-	-	-	-	-	1,994
	Line Item	-	-	-	-	-	-	-	440
TOTAL W-151		-	-	-	-	-	-	-	2,434
	Expense	-	-	-	-	-	-	-	12,382
	Line Item	-	-	-	-	-	-	-	201,486
TOTAL W-211		-	-	-	-	-	-	-	213,869
	Expense	-	-	-	-	-	-	-	468,407
	Line Item	-	-	-	-	-	-	-	621,595
TOTAL W-521		-	-	-	-	-	-	-	1,090,003
	Expense	-	-	-	-	-	-	-	24,628
	Line Item	-	-	-	-	-	-	-	156,412
TOTAL W-YYY		-	-	-	-	-	-	-	181,039
1.1.4 WASTE RETRIEVAL (Without PRIVATIZATION)									
	Expense	2,095	2,128	2,166	2,211	2,276	2,313	-	2,013,383
	Line Item	-	-	-	-	-	-	-	1,507,150
TOTAL WASTE RETRIEVAL		2,095	2,128	2,166	2,211	2,276	2,313	-	3,520,534
TW04 Waste Retrieval (PRIVATIZATION)									
	Expense	-	-	-	-	-	-	-	26,572
	Line Item	-	-	-	-	-	-	-	6,573,101
TOTAL PRIVATIZATION		-	-	-	-	-	-	-	6,599,673
1.1.4 WASTE RETRIEVAL	Expense	2,095	2,128	2,166	2,211	2,276	2,313	-	2,039,955
	Line Item	-	-	-	-	-	-	-	8,080,251
TOTAL WASTE RETRIEVAL		2,095	2,128	2,166	2,211	2,276	2,313	-	10,120,206

(1) All dollars displayed contain applicable escalation

9.4.3 Waste Retrieval (TW04) Budget Profile By Month (Execution Year)
($000's)

Level 8 Title		Fund Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1.1.4.1.1.1	TWR Proj. Mgmt & Adm	Expense	818	804	844	804	1,097	1,262	686	640	747	655	684	563	9,604
1.1.4.1.1.2	Feed/Process Dev'lp/Defin	Expense	353	367	386	341	337	502	444	426	308	225	262	232	4,183
1.1.4.1.1.3	DST Retr'vl Sys Defin	Expense	529	595	619	649	702	665	797	802	751	613	706	559	7,987
1.1.4.1.1.4	AZ-101 Proc Test (W-151)	Expense	520	473	428	348	386	451	326	410	573	567	204	177	4,863
1.1.4.1.1.5	Project W-211 (ITRS)	Expense	70	67	70	67	67	77	67	74	74	64	77	69	843
		Line Item	366	350	367	367	398	455	396	333	288	227	275	239	4,061
			436	417	437	434	465	532	463	407	362	291	352	308	4,904
1.1.4.1.1.6	Project W-521 (Sludge Wa	Expense	408	330	377	428	495	487	324	279	246	212	257	223	4,066
1.1.4.1.1.10	Ph 1 DST Retrieval Ops	Expense	744	399	415	260	34	33	29	38	104	74	90	77	2,297
1.1.4.1.1.14	Retrieval Systems Devop't	Expense	726	734	700	508	591	795	730	625	429	278	341	258	6,715
1.1.4.1.2.1	SST Ret'vl Mgmt & Admin	Expense	20	20	21	20	20	23	20	22	22	19	23	20	250
1.1.4.1.2.2	SST Ret'vl Sys Defin	Expense	60	78	91	66	66	76	66	71	25	21	26	20	666
1.1.4.1.2.5	Hanford Tank Initiative	Expense	6	6	6	6	5	6	6	6	6	5	6	6	70
1.1.4.1.2.6	SST Tech'gy & Assm'ts	Expense	0	0	41	63	85	98	50	19	9	8	3	0	376
1.1.4.1.3.1	Closure/Vadose Zone Proj	Expense	70	67	70	67	67	77	67	73	73	63	77	67	838
1.1.4.1.3.3	Vadose Zone Activities	Expense	513	529	511	401	473	483	568	609	625	799	1,069	534	7,114
Totals		Expense	4,837	4,469	4,579	4,028	4,425	5,035	4,180	4,094	3,992	3,603	3,825	2,805	49,872
		Line Item	366	350	367	367	398	455	396	333	288	227	275	239	4,061
			5,203	4,819	4,946	4,395	4,823	5,490	4,576	4,427	4,280	3,830	4,100	3,044	53,933

(1) Monthly Profile Based Upon P3 Calendar Month Profile, NOT Accounting Realized Hours Calendar

Activity ID	Early Start	Early Finish	BCWS	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
1				Hanford Site	
1.01				River Protection Project	
1.01.04				Retrieval	
1.01.04.01				Tank Farm System	
1.01.04.01.01				Deliver Waste Feed	
620.070	01OCT99	28SEP18	227.10	Develop and Maintain WFD Environmental Baseline	
620.090	01OCT99	28SEP18	174.00	Align WFD Activities with the Environmental Basin	
1.01.04.01.01.0				1.01.04.01.01 0	
710.702	01OCT99	28SEP18	567.30	Manage RPP Waste Retrieval Division	
1.01.04.01.01.01				TWR Project Mgmt & Admin	
150.704	01OCT99	28SEP18	1,242.40	Manage Waste Feed Delivery Activities	
150.715	01OCT99	28SEP18	616.30	Waste Feed Delivery Engineering Management	
710.722	01OCT99	28SEP18	521.90	Waste Retrieval Division Business Management	
710.724	01OCT99	28SEP18	1,351.70	Waste Feed Delivery Program Analysis and Control	
710.740	01OCT99	28SEP18	3,554.20	TWR Program Integration	
710.740A		02JUN00	0.00	Issue Readiness-to-Proceed Declar Priv Ph1 ◆ T04-00-104ROX	

Project Start 01OCT99
Project Finish 30SEP66
Data Date 01OCT99
Run Date 23AUG99

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Early Bar
Progress Bar
Critical Activity

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Sheet 1 of 9

River Protection Project
9.4.4 Schedule (Execution Year)
TW04 Tank Waste Retrieval

Activity ID	Early Start	Early Finish	BCWS	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
710.750	01OCT99	28SEP18	137.00	TWR Quality Assurance Program	
710.760	01OCT99	28SEP18	1,449.80	TWR Program Improvement	
710.900	01OCT99	28SEP18	119.10	River Protection Project DOE-RL Disposal Support	
1.01.04.01.01.02				Feed/Process Development/Definition	
120.J10	01OCT99	30JUN00	315.80	Estab Dilution Rqmts/Dissolution Behav AN-103 C	
120.K10	01OCT99	01JUN00	79.10	Estblsh Dilution Rqmts/Dissolution Behav AN-107 C	
130.028	01OCT99	28SEP18	246.00	Perform Special Cases and Studies	
130.033	01OCT99	28SEP18	206.80	Support DOE/BNFL Proposals and Studies	
150.726	01OCT99	28SEP18	863.50	Waste Feed Delivery Process Development	
150.B08	01OCT99	28SEP18	100.00	Maintain WFD Char Matrices/Prblm DQOs/Samp Sched	
150.B22	01OCT99	28SEP18	1,433.00	Maintain RPP Operations/Utilization Plan (O&UP)	
150.B22B		31MAY00	0.00	Update TWRS O&UP Using Latest BBI for Ph1 T04-00-105ROX	

Project Start 01OCT99
Project Finish 28SEP18
Data Date 01OCT99
Run Date 23AUG99

Early Bar
Progress Bar
Critical Activity

Phase

Sheet 2 of 6

River Protection Project
9.4.4 Schedule (Execution Year)
TW04 Tank Waste Retrieval

Activity ID	Early Start	Early Finish	BCWS	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
150.B26	01OCT99	30SEP08	170.70	Maintain Waste Feed Delivery ICDs 19 and 20	
160.A48	01OCT99	18JUL00	318.50	Perf/Document AZ-101 Samp Anlys/Rheology Tstng C	
160.F10	01OCT99	18JUL00	318.50	Perform/Doc AZ-102 Samp Analyses/Rheology Tstng C	
160.S10	07AUG00	21MAY01	44.10	Perf/Document AY-101 Samp Analyses/Rheology Tstg C	
710.711	01OCT99	28SEP18	97.40	Waste Feed Delivery Technology Insertion Support	
1.01.04.01.01.03				DST Retrieval Proj Definition	
120.010	01OCT99	28SEP18	831.20	Update the DST System Specification and ICDs	
120.015	01OCT99	20OCT00	1,558.30	Develop/Issue the DST Component Specifications	
120.020	01OCT99	28SEP18	728.30	Update the DST Component Specification	
120.025	01OCT99	30SEP04	2,802.10	Update WFD O&M Concept Document/Risk Assessment	
120.A04	22MAR00	19MAR01	29.30	Perform Acquisition Strategy for AZ Tank Farm	
120.A16	23MAR00	20MAR01	29.10	Perform Acquisition Strategy for AN Tank Farm	

Project Start 01OCT99
Project Finish 30SEP08
Data Date 01OCT99
Run Date 23AUG99

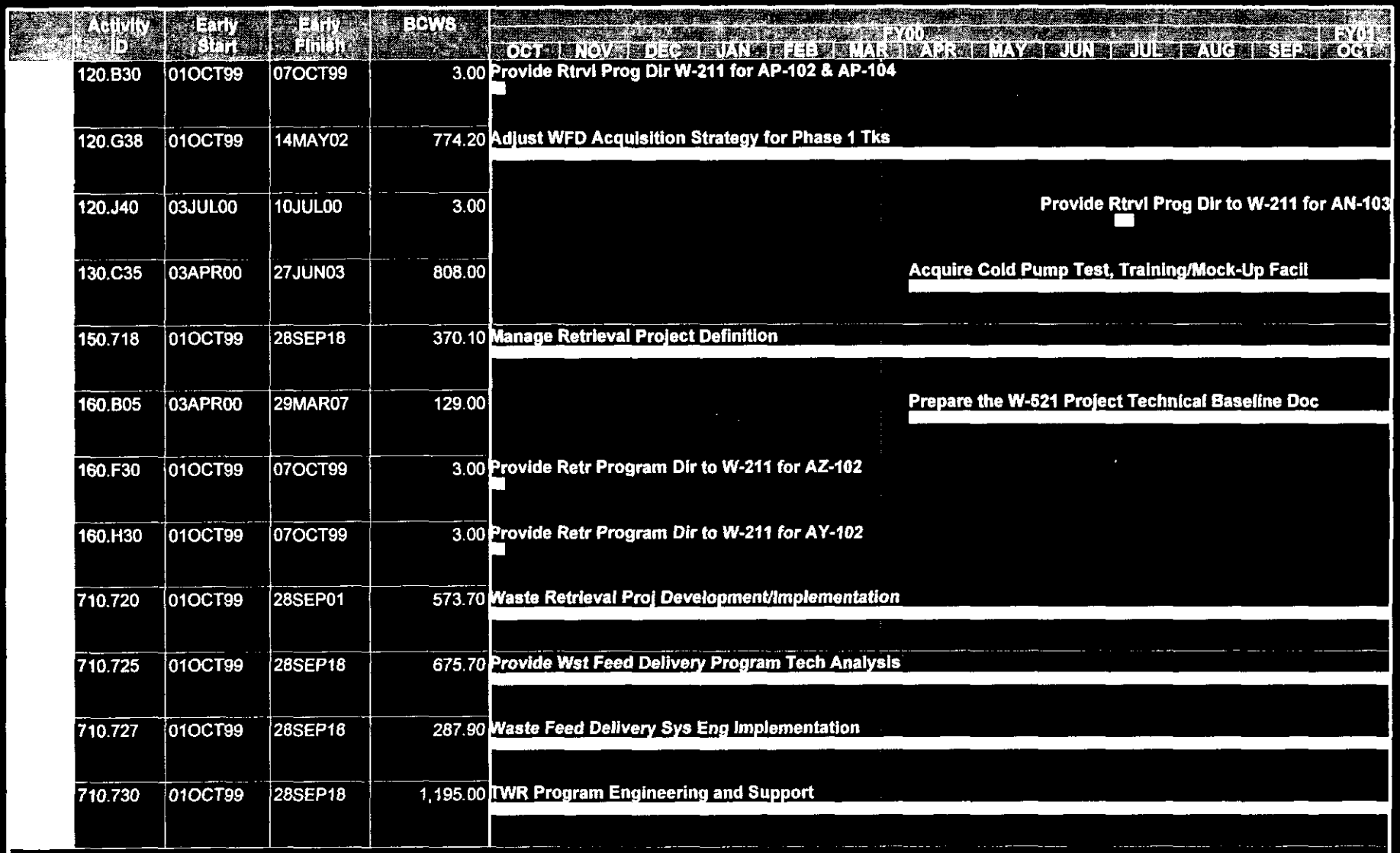
Early Bar
Progress Bar
Critical Activity

PMB4

Sheet 3 of 9

River Protection Project
9.4.4 Schedule (Execution Year)
TW04 Tank Waste Retrieval

Activity ID	Early Start	Early Finish	BCWS
120.B30	01OCT99	07OCT99	3.00
120.G38	01OCT99	14MAY02	774.20
120.J40	03JUL00	10JUL00	3.00
130.C35	03APR00	27JUN03	808.00
150.718	01OCT99	28SEP18	370.10
160.B05	03APR00	29MAR07	129.00
160.F30	01OCT99	07OCT99	3.00
160.H30	01OCT99	07OCT99	3.00
710.720	01OCT99	28SEP01	573.70
710.725	01OCT99	28SEP18	675.70
710.727	01OCT99	28SEP18	287.90
710.730	01OCT99	28SEP18	1,195.00



Project Start 01OCT99
Project Finish 30SEP05
Data Date 01OCT99
Run Date 22AUG99

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Early Bar
Progress Bar
Critical Activity

PMBA

Sheet 4 of 9

River Protection Project
9.4.4 Schedule (Execution Year)
TW04 Tank Waste Retrieval

Activity ID	Early Start	Early Finish	BCWS	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
1.01.04.01.01 04				AZ-101 Process Test	
110.010	01OCT99	28SEP01	914.10	Project Management for AZ-101 Process Test	
110.045	01OCT99	02FEB00	621.60	Issue AZ-101 Process Test Plans/Procedures	
110.050	22MAY00	19JUN00	280.40	Perf Cont Independent RA for AZ-101 Proc Test	
110.055	01OCT99	19MAY00	470.60	Perf Mgmt Self-Assessment for AZ-101 Process Tst	
110.070	20JUN00	18JUL00	731.80	Perform AZ-101 Process Test	
110.075	19JUL00	17JUL01	19.50	Perform AZ-101 Suspension and Settling Test	
110.095	01OCT99	29SEP00	1,824.60	Install/Test the Monitoring Equipment in AZ-101	
1.01.04 01.01 05				Project W-211, ITRS	
120.A00	01OCT99	30MAR11	2,140.20	Project Management for W-211	
120.B37	01OCT99	04MAY00	424.00	Update Design for AP-102/AP-104 Mixing/RtrvlSys	
120.E50	01OCT99	29SEP00	1,339.60	Design AN-104 Mixing Retrieval Sys Obtain CD-3	
160.F40	01OCT99	29SEP00	1,000.10	Dsn AZ-102 Mixing Retrieval System Obtain CD-3	

Project Start 01OCT99	Early Bar	PMB4	Sheet 5 of 9
Project Finish 30SEP06	Progress Bar	River Protection Project	
Data Date 01OCT99	Critical Activity	9.4.4 Schedule (Execution Year)	
Run Date 23AUG99		TW04 Tank Waste Retrieval	

Activity ID	Early Start	Early Finish	BCWS	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
1.01.04.01.01.06				Project W-521	
160.A43	01OCT99	29SEP00	4,076.80	Perform Conceptual Design for W-521 Retr Sys	
160.A67	09JUN00	07JUL00	0.00	Provide Validation of W-521 Obtain CD-2	
1.01.04.01.01.1				1.01.04.01.01.1	
150.B16	01DEC99	24APR02	317.80	Update/Amend Authorization Basis for DST	
1.01.04.01.01.10				Phase 1 DST Retrieval Operations	
050.090	01OCT99	31JAN00	712.00	Sluice 241-C-106 to 241-AY-102	
120.B10	23MAY00	06FEB02	88.30	Def Req./Design/Install Cntrl Rm/Shift Ofc Fac	
120.B40	01OCT99	02FEB00	213.10	Prep Tks AP-102 & AP-104/Turnover to Proj Constr	
130.B10	29JUN00	05AUG04	33.50	Procure WFD Spare Equip per Retrieval Spec	
130.B15	23JUN00	28SEP01	106.30	Prep/Maintain Waste Feed Staging in Prod Mode	
130.B16	01OCT99	28SEP18	804.90	Maintain Waste Feed Delivery System Operable	
150.700	01OCT99	25NOV14	86.60	Prep Test/Eval Plan for WFD Sys Verification	
150.702	01OCT99	30SEP02	253.80	Perf Waste Feed Delivery ORP/Implementation	

Project Start 01OCT99
Project Finish 30SEP99
Data Date 01OCT99
Run Date 21AUG99

Early Bar
Progress Bar
Critical Activity

PMB4

Sheet 8 of 8

River Protection Project
9.4.4 Schedule (Execution Year)
TW04 Tank Waste Retrieval

Activity ID	Early Start	Early Finish	BCWS	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
1.01.04.01.01.12				Phase 1 WFD Safety Basis	
150.B14	01OCT99	13JAN00	149.00	Develop/Establish TSRs	
1.01.04.01.01.14				Retrieval System Development	
120.A03	01OCT99	13DEC99	383.50	Verify AZ Tank Farm Sys/Components Functionality	
120.A15	01OCT99	22MAR00	421.30	Verify AN Tank Farm Sys/Components Functionality	
120.D34	01OCT99	28SEP18	1,835.50	Perform Waste Feed Delivery Trade Studies	
130.B17	01OCT99	24AUG00	282.30	Dev Tech Basis Remove Wst frm Flamm Gas Watch Tk	
130.B20	25AUG00	27FEB01	1.20	Obt Permissn Add Diluent Flam Gas Watchlist DST	
150.B17	01OCT99	30SEP16	130.30	Maintain AB/Criticality Safety Eval Reports	
1.01.04.01.01.18				Project W-YYY Tank Farm Upgrades	
250.400	01SEP00	14MAY07	0.00	Project W-YYY Tank Farm Upgrades	
1.01.04.01.02				Retrieve SST Waste	
1.01.04.01.02.01				SST Retrieval Mgmt & Administration	
710.716	01OCT99	28SEP18	250.10	Manage Retrieval SST Activities	
1.01.04.01.02.02				SST Retrieval System Definition	
270.210	01NOV99	28SEP01	207.30	Prepare Initial SST Program Plan	

Project Start 01OCT99
Project Finish 30SEP08
Data Date 01OCT99
Run Date 23AUG99

Early Bar
Progress Bar
Critical Activity

PMB4

Sheet 7 of 9

River Protection Project
9.4.4 Schedule (Execution Year)
TW04 Tank Waste Retrieval

Activity ID	Early Start	Early Finish	BCWS	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
270.215	01OCT99	10DEC99	129.90	Define Technology Evaluation Strategy	
290.007	30NOV99	27SEP13	274.00	Update SST Level 1 Specification	
290.100	01OCT99	29SEP00	54.30	Perform Acqn Strategy for SST Sluicing Systems	
1.01.04.01.02.05				Hanford Tanks Initiative (HTI)	
710.710	01OCT99	28SEP12	70.30	Perform Hanford Tanks Initiatives Activities	
1.01.04.01.02.06				SST Techology & Assessments	
270.620	13DEC99	14AUG00	235.40	Evaluate Leak Detection Solutions	
270.630	13DEC99	18MAY00	139.80	Assess Tank Conditions	
1.01.04.01.03				D&D Tank Farm Facility	
1.01.04.01.03.01				Closure Vadose Zone Project Mgmt	
710.712	01OCT99	28SEP07	838.90	Manage Vadose Zone/Closure Program	
1.01.04.01.03.03				Vadose Zone Activities	
650.005	01OCT99	29SEP06	2,183.10	Provide Support to Vadose Zone Activities	
650.100	01OCT99	29SEP09	197.40	Perform Interim Measures and Corrective Measures	
650.100C		31OCT99	0.00	M-45-56-T01 Submit Engineering Study to Ecology ◆ T04-00-W25ROT	

Project Start 01OCT99
Project Finish 30SEP43
Data Date 01OCT99
Run Date 23AUG99

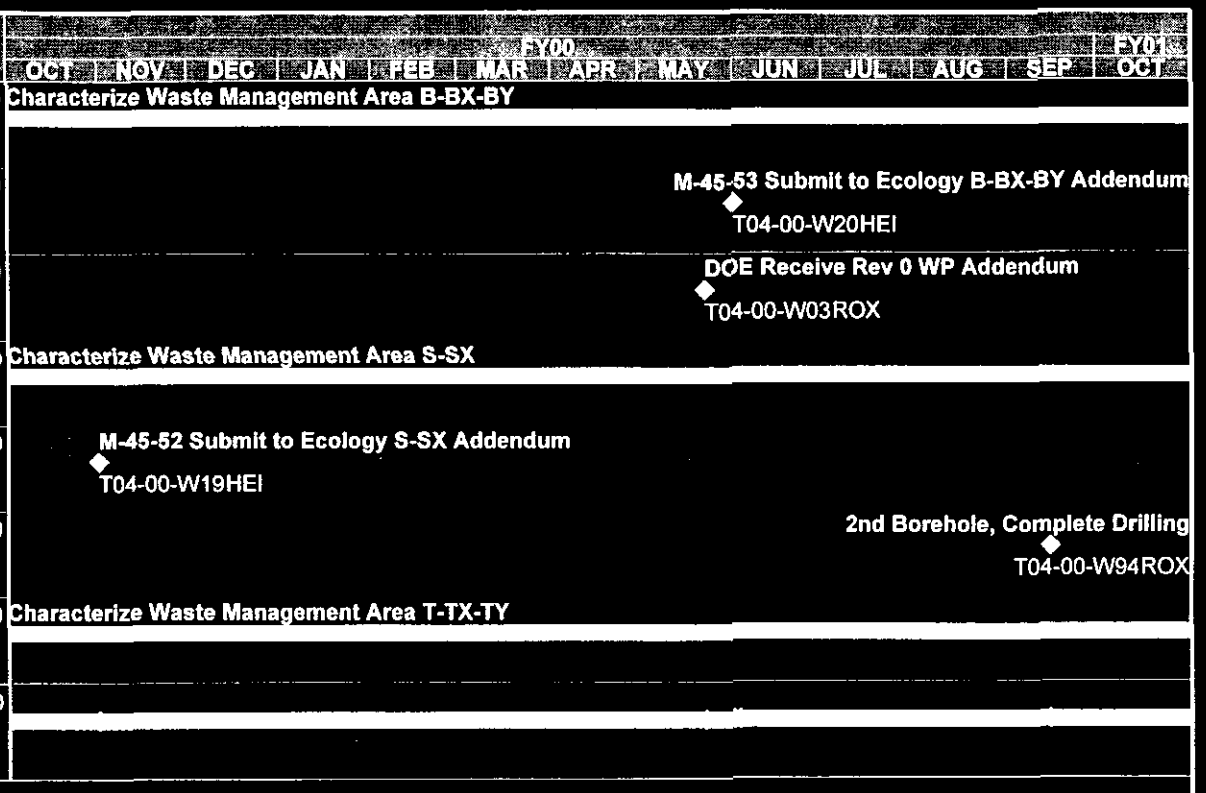
Early Bar
Progress Bar
Critical Activity

PMS4

Sheet 6 of 9

River Protection Project
9.4.4 Schedule (Execution Year)
TW04 Tank Waste Retrieval

Activity Id	Early Start	Early Finish	BCWS
650.B10	01OCT99	24SEP02	818.40
650.B10A		31MAY00	0.00
650.B10C		22MAY00	0.00
650.S10	01OCT99	22AUG01	3,311.10
650.S10A		31OCT99	0.00
650.S10C		14SEP00	0.00
650.T10	01OCT99	30SEP03	602.00
Subtotal	01OCT99	28SEP18	53,932.80



Project Start 01OCT99
Project Finish 30SEP05
Data Date 01OCT99
Run Date 23AUG99

Early Bar
Progress Bar
Critical Activity

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Sheet 9 of 9

River Protection Project
9.4.4 Schedule (Execution Year)
TW04 Tank Waste Retrieval

9.4.5 Retrieval Milestone Log (Execution Year)

MS #	Title	Level	DNFSB/ TPA #	Schedule Date	TPA Date
T04-00-W19	Site Specific SST WMA Phase 1 RFI/CMS Work Plan Addenda for WMA S-SX	HQ-I	M-45-52	31-Oct-99	31-Oct-99
T04-00-W25	Summarize Results of Engineering Studies and Recommendations on Isolating Water Lines in or Near SST WMAs, Sealing Abandoned Wells in or Near SST WMAs, and Controlling Surface Drainage at SST WMAs and Submit to Ecology	ORP-Target	M-45-56-T01	31-Oct-99	31-Oct-99
T04-00-W03	Transmit Draft B-BX-BY Site Specific Work Plan	ORP	-	22-May-00	-
T04-00-W20	Site Specific SST WMA Phase 1 RFI/CMS Work Plan Addenda for WMA B-BX-BY	HQ-I	M-45-53	31-May-00	31-May-00
T04-00-105	RPP Operations and Utilization Plan	ORP	-	31-May-00	-
T04-00-104	Project Schedule Phase I RTP	ORP	-	02-Jun-00	-
T04-00-W94	Complete Drilling a Borehole for Waste Management Area S-SX	ORP	-	14-Sep-00	-
T04-00-102	Large Scale Mixer Pump Demonstration	ORP	-	29-Sep-00	-
T04-00-101	Issue W-211 Title Retrieval System Design AN-104	ORP	-	29-Sep-00	-
T04-00-100	Issue W-211 Title II Retrieval System Design AZ-102	ORP	-	29-Sep-00	-
T04-00-241	Submit Annual Update SST Retrieval Sequence Document	HQ-I	M-45-02E	30-Sep-00	30-Sep-00
T04-00-341	Submit Annual Progress Report on Development of Waste Tank Leak Monitoring and Mitigation Activities in Support of M-45-08	HQ-I	M-45-09E	30-Sep-00	30-Sep-00

CMS	corrective measures study	RTP	readiness-to-proceed
RFI	RCRA facility investigation	SST	single-shell tank
RPP	River Protection Project	WMA	waste management area

9.5 PROCESS WASTE SUPPORT (TW05)

9.5.1 Mission Statement

The mission of Process Waste Support is to assist the Office of River Protection in the management of Privatization Phase 1 and Privatization Phase 2. This includes integrating privatized and non-privatized activities; assisting in the execution of the privatization contracts; managing interfaces with the PHMC and private contractors; assisting in managing the interfaces with stakeholders and regulators, and assisting in the management of the key risks and key decisions associated with tank waste disposal.

9.5.2 Process Waste Support (TW05) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
TW05 Process Waste Support											
	Expense	6,025	9,615	7,777	10,933	12,341	19,508	19,244	21,505	18,143	16,782
1.1.5 PROC WASTE SUPPT	Expense	6,025	9,615	7,777	10,933	12,341	19,508	19,244	21,505	18,143	16,782
	Line Item	-	-	-	-	-	-	-	-	-	-
TOTAL PROC WASTE SUPT		6,025	9,615	7,777	10,933	12,341	19,508	19,244	21,505	18,143	16,782

(1) All dollars displayed contain applicable escalation

9.5.2 Process Waste Support (TW05) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
TW05 Process Waste Support										
	Expense	21,175	17,845	18,148	18,529	18,918	19,238	19,353	13,360	13,640
1.1.5 PROC WASTE SUPPT	Expense	21,175	17,845	18,148	18,529	18,918	19,238	19,353	13,360	13,640
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PROC WASTE SUPT		21,175	17,845	18,148	18,529	18,918	19,238	19,353	13,360	13,640

(1) All dollars displayed contain applicable escalation

9.5.2 Process Waste Support (TW05) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
TW05 Process Waste Support										
	Expense	13,981	14,162	14,444	14,584	14,949	15,210	15,530	15,793	16,189
1.1.5 PROC WASTE SUPPT	Expense	13,981	14,162	14,444	14,584	14,949	15,210	15,530	15,793	16,189
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PROC WASTE SUPT		13,981	14,162	14,444	14,584	14,949	15,210	15,530	15,793	16,189

(1) All dollars displayed contain applicable escalation

9.5.2 Process Waste Support (TW05) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY25	FY26	FY27	FY28	FY29	Life-Cycle Total
TW05 Process Waste Support							
	Expense	16,529	16,876	17,230	15,629	-	503,186
1.1.5 PROC WASTE SUPPT	Expense	16,529	16,876	17,230	15,629	-	503,186
	Line Item	-	-	-	-	-	-
TOTAL PROC WASTE SUPT		16,529	16,876	17,230	15,629	-	503,186

(1) All dollars displayed contain applicable escalation

9.5.3 Process Waste Support (TW05) Budget Profile By Month (Execution Year) (1) ($000's)

Level 6 Title		Fund Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1.1.5.1.1.1	M&I Vendor Interface	Expense	480	299	299	314	299	344	299	328	328	299	343	284	3,916
1.1.5.1.1.2	Ph I Project Mgmt	Expense	586	558	558	586	558	641	558	613	613	558	641	547	7,017
Totals		Expense	1,066	857	857	900	857	985	857	941	941	857	984	831	10,933

(1) Monthly Profile Based Upon P3 Calendar Month Profile, NOT Accounting Realized Hours Calendar

	Activity ID	Early Start	Early Finish	BCWS (000)
1				
1.01				
1.01.05				
1.01.05.01				
1.01.05.01.01				
1.01.05.01.01.01				
	100.100	01OCT99	28SEP18	3,902.90
1.01.05.01.01.02				
	750.A00	01OCT99	29SEP00	7,000.00
Subtotal		01OCT99	28SEP18	10,902.90

FY00: OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP | FY01: OCT

Hanford Site

River Protection Project

Process Waste Support Project

Process Waste Support Project

Process Waste Support Project

M&I Vendor Interface

M&I Vendor Interface

Phase I Project Management

WIT Phase I Project Management

Project Start	01OCT99
Project Finish	28SEP28
Data Date	01OCT99
Run Date	21AUG99

Early Bar
Progress Bar
Critical Activity

PMBS

Sheet 1 of 1

River Protection Project
9.5.4 Schedule (Execution Year)
TW05 Process Waste

9.5.5 Milestone Log (Execution Year)

9.5.5 Process Waste Support Milestone Log (Execution Year)

MS #	Title	Level	DNFSB/ TPA #	Schedule Date	TPA Date

There are no FY 2000 milestones in this PBS.

9.6 PRIVATIZATION PHASE 1 (TW06)

9.6.1 Mission Statement

Phase 1 objectives are to demonstrate the technical and business viability of using privatized facilities to treat Hanford Site tank waste; define and maintain required levels of radiological, nuclear, process, and occupational safety; maintain environmental protection and compliance; and substantially reduce life-cycle costs and time required to treat Hanford Site tank waste. This project demonstrates progress in limiting potential contamination of the Columbia River by removing high-level waste from underground storage tanks, which can leak into the groundwater.

9.6.2 Life-Cycle Costs by Fiscal Year

9.6.2 Privatization Phase 1 (TW06) Life-Cycle Costs (by Fiscal Year)
($000's) (1)

	Fund Type	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
TW06 Privatization Phase 1										
	Expense	-	-	-	50,000	-	-	-	-	-
	Expense Line Item	-	-	-	50,000	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
TOTAL PRIVTZN PHASE 1		-	-	-	50,000	-	-	-	-	-

(1) All dollars displayed contain applicable escalation

9.6.2 Privatization Phase 1 (TW06) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14
TW06 Privatization Phase 1										
	Expense	58,000	188,001	401,000	908,000	1,073,001	1,102,001	1,097,000	1,111,001	1,365,001
	Expense	58,000	188,001	401,000	908,000	1,073,001	1,102,001	1,097,000	1,111,001	1,365,001
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PRIVTZ'N PHASE 1		58,000	188,001	401,000	908,000	1,073,001	1,102,001	1,097,000	1,111,001	1,365,001

(1) All dollars displayed contain applicable escalation

9.6.2 Privatization Phase 1 (TW06) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	Life- Cycle Total
TW06 Privatization Phase 1											
	Expense	1,437,723	1,230,001	463,000	2,484	12,436	51,348	71,852	29,288	-	10,651,137
	Expense	1,437,723	1,230,001	463,000	2,484	12,436	51,348	71,852	29,288	-	10,651,137
	Line Item	-	-	-	-	-	-	-	-	-	-
TOTAL PRIVTZ'N PHASE 1		1,437,723	1,230,001	463,000	2,484	12,436	51,348	71,852	29,288	-	10,651,137

(1) All dollars displayed contain applicable escalation

9.6.3 Privatization Phase I (TW06) Budget Profile By Month (Execution Year) (1)
($000's)

Level 6 Title	Fund Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1.1.6.1.1. PC Capital Prj LAW/HLW P	Expense	0	0	0	0	0	0	0	0	0	0	50,000	0	50,000
Totals	Expense	0	0	0	0	0	0	0	0	0	0	50,000	0	50,000

(1) Monthly Profile Based Upon P3 Calendar Month Profile, NOT Accounting Realized Hours Calendar

Activity ID	Early Start	Early Finish	BCWS (000)	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
1				Hanford Site	
1.01				River Protection Project	
1.01.06				TWRS Privatization Phase I	
1.01.06.01				LAW/HLW Plant, Phase I	
1.01.06.01.01				Treat & Immobilize LAW/HLW, Phase I	
1.01.06.01.01.01				1.01.06.01.01.01	
350.010	24AUG98A	28FEB19	0.00	Maintain Phase I HLW/LAW ICDs	
350.020	24AUG98A	28FEB19	0.00	Environmental & Regulatory Compliance	
350.030	24AUG98A	28FEB19	0.00	BNFL Project Management	
350.040	01AUG00*	29SEP17	0.00	Capital Budget Outlay - FY2000 - FY2017	
350.110	24AUG98A	24AUG00	50,000.00	Phase I Definitive Design	
350.110B		24AUG00	0.00	Const Auth Pgm Review/Decision (Perf Expect) ◆ T06-00-101 ROX	
350.210	24AUG98A	31DEC01	0.00	Complete Design Phase - LAW Facility	
Subtotal	24AUG98A	28FEB19	50,000.00		

Project Start 01OCT97
Project Finish 28SEP33
Data Date 01OCT99
Run Date 21AUG99

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Early Bar
Progress Bar
Critical Activity

SUM1

Sheet 1 of 1

River Protection Project
9.6.4 Schedule (Execution Year)
TW06 Phase I Privatization

9.6.5 Milestone Log (Execution Year)

9.6.5 Privatization Phase 1 Milestone Log (Execution Year)

MS #	Title	Level	DNFSB/ TPA #	Schedule Date	TPA Date
T06-00-101	Construction Authorization Program Review/Decision	ORP	-	24-Aug-00	-

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9.7 PRIVATIZATION PHASE 2 (TW07)

9.7.1 Mission Statement

Phase 2 will be the full-scale production phase, in which the facilities will be configured so all the waste can be processed. The objectives of Phase 2 are to implement the lessons from Phase 1; to process all tank waste and the cesium and strontium capsules into forms suitable for final disposal; achieve competition and cost savings; and meet the Tri-Party Agreement milestones.

9.7.2 Life-Cycle Costs by Fiscal Year

9.7.2 Privatization Phase 2 (TW07) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
TW07_Privatization Phase 2											
	Expense	-	-	-	-	-	-	-	-	-	-
Expense Line Item		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
TOTAL PRIVTZN PHASE 2		-	-	-	-	-	-	-	-	-	-

(1) All dollars displayed contain applicable escalation

9.7.2 Privatization Phase 2 (TW07) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
TW07 Privatization Phase 2										
	Expense	-	-	-	-	1,362,000	1,383,000	2,248,000	2,282,000	2,317,000
	Expense	-	-	-	-	1,362,000	1,383,000	2,248,000	2,282,000	2,317,000
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PRIVTZ'N PHASE 2		-	-	-	-	1,362,000	1,383,000	2,248,000	2,282,000	2,317,000

(1) All dollars displayed contain applicable escalation

9.7.2 Privatization Phase 2 (TW07) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
TW07 Privatization Phase 2										
	Expense	1,291,000	1,311,000	602,000	611,000	620,000	629,000	639,000	648,000	658,000
	Expense	1,291,000	1,311,000	602,000	611,000	620,000	629,000	639,000	648,000	658,000
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PRIVTZ'N PHASE 2		1,291,000	1,311,000	602,000	611,000	620,000	629,000	639,000	648,000	658,000

(1) All dollars displayed contain applicable escalation

9.7.2 Privatization Phase 2 (TW07) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY25	FY26	FY27	FY28	FY29	Life- Cycle Total
TW07 Privatization Phase 2							
	Expense	668,000	205,000	208,000	211,000	-	17,893,000
	Expense	668,000	205,000	208,000	211,000	-	17,893,000
	Line Item	-	-	-	-	-	-
TOTAL PRIVTZ'N PHASE 2		668,000	205,000	208,000	211,000	-	17,893,000

(1) All dollars displayed contain applicable escalation

9.7.3 Budget Profile by Month (Execution Year)

There are no FY 2000 activities.

9.7.4 Schedule (Execution Year)

There are no FY 2000 activities.

9.7.5 Milestone Log (Execution Year)

There are no FY 2000 activities.

9.8 PRIVATIZATION INFRASTRUCTURE (TW08)

9.8.1 Mission Statement

Part of the RPP mission is to separate the Hanford Site's tank waste into low-activity waste (LAW) and high-level waste (HLW) fractions and to immobilize and dispose of them in an environmentally sound, safe, and cost-effective manner. This will be done using a two-phased strategy involving private contractors. Phase 1 will encompass treating, immobilizing, and storing or disposing of approximately 10 percent (by volume) of the tank waste. Phase 2 will encompass pretreating, immobilizing, and disposing of the remaining 90 percent using full-scale production facilities.

The contract that DOE and the Privatization Contractor signed in August 1998 establishes the general scope and timing requirements for the Privatization Infrastructure Program. These requirements are defined in more detail in the TWRS Privatization Project Interface Control Document (BNFL 1998), and will be modified based on DOE's decision on whether to proceed with privatization. This decision will be made in August 2000.

9.8.2 Privatization Infrastructure (TW08) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
TW08 Privatization Infrastructure											
	Expense	5,893	5,973	1,553	1,649	7,271	11,515	12,597	13,102	41,459	18,314
	Line Item	-	-	-	-	-	-	-	-	-	3,594
	Expense	-	-	1,368	1,324	541	450	30	16	-	-
	Line Item	-	-	3,088	15,638	10,850	1,130	-	-	-	-
TOTAL PROJ W-519		-	-	4,456	16,962	11,391	1,581	30	16	-	-
1.1.8 PRIV'ZN INFRASTRUCTURE	Expense	5,893	5,973	2,921	2,973	7,812	11,965	12,627	13,118	41,459	18,314
	Line Item	-	-	3,088	15,638	10,850	1,130	-	-	-	3,594
TOTAL PRIV'ZN INFRAST		5,893	5,973	6,009	18,611	18,662	13,095	12,627	13,118	41,459	21,908

(1) All dollars displayed contain applicable escalation

9.8.2 Privatization Infrastructure (TW08) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
TW08 - Privatization Infrastructure										
	Expense	18,774	34,086	34,802	35,533	35,482	110,630	112,219	115,035	117,450
	Line Item	14,610	981	36,801	37,721	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PROJ W-519		-	-	-	-	-	-	-	-	-
1.1.8 PRIV'ZN INFRASTRUCTURE	Expense	18,774	34,086	34,802	35,533	35,482	110,630	112,219	115,035	117,450
	Line Item	14,610	981	36,801	37,721	-	-	-	-	-
TOTAL PRIV'ZN INFRAST		33,384	35,067	71,603	73,253	35,482	110,630	112,219	115,035	117,450

(1) All dollars displayed contain applicable escalation

9.8.2 Privatization Infrastructure (TW08) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
TW08 Privatization Infrastructure										
	Expense	120,394	121,947	125,006	119,660	108,581	110,422	112,741	114,649	117,526
	Line Item	-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PROJ W-519		-	-	-	-	-	-	-	-	-
1.1.8 PRIV'ZN INFRASTRUCTURE	Expense	120,394	121,947	125,006	119,660	108,581	110,422	112,741	114,649	117,526
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PRIV'ZN INFRAST		120,394	121,947	125,006	119,660	108,581	110,422	112,741	114,649	117,526

(1) All dollars displayed contain applicable escalation

9.8.2 Privatization Infrastructure (TW08) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33
TW08 Privatization Infrastructure										
	Expense	119,994	122,514	125,085	127,713	29,744	-	2,706	2,773	-
	Line Item	-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PROJ W-519		-	-	-	-	-	-	-	-	-
1.1.8 PRIV'ZN INFRASTRUCTURE	Expense	119,994	122,514	125,085	127,713	29,744	-	2,706	2,773	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL PRIV'ZN INFRAST		119,994	122,514	125,085	127,713	29,744	-	2,706	2,773	-

(1) All dollars displayed contain applicable escalation

9.8.2 Privatization Infrastructure (TW08) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	Life- Cycle Total
TW08 Privatization Infrastructure		
	Expense	2,314,791
	Line Item	93,707
	Expense	3,730
	Line Item	30,706
TOTAL PROJ W-519		34,436
1.1.8 PRIVZN INFRASTRUCTURE	Expense	2,318,521
	Line Item	124,413
TOTAL PRIVZN INFRAST		2,442,934

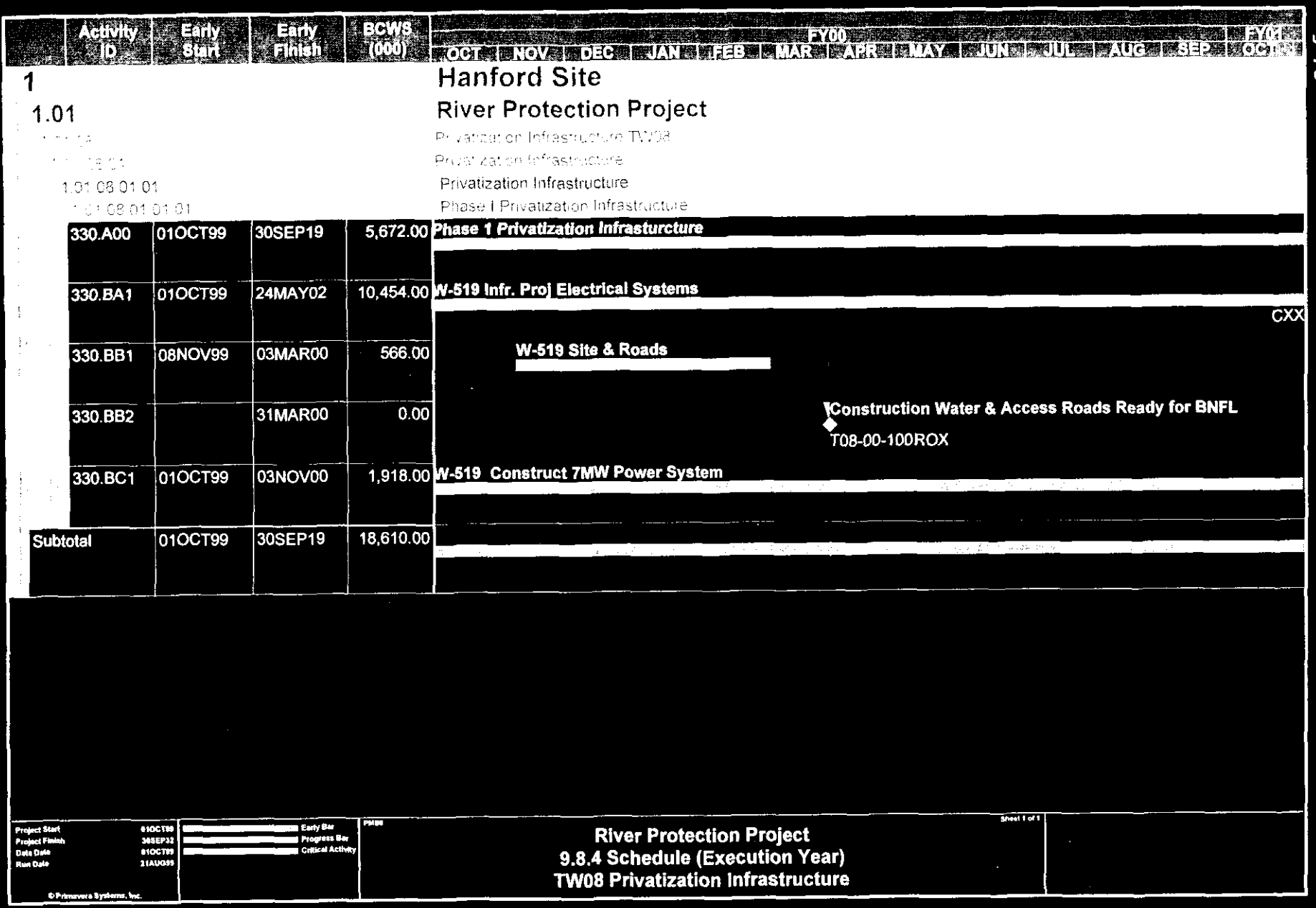
(1) *All dollars displayed contain applicable escalation*

9.8.3 Privatization Infrastructure (TW08) Budget Profile By Month (Execution Year) (1)
($000's)

Level 6 Title		Fund Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1.1.8.1.1.1	Ph 1 Infrastructure(W-519)	Expense	219	275	298	308	272	240	210	230	231	212	255	223	2,973
		Line Item	461	759	651	681	675	1,343	1,373	1,522	1,405	1,147	1,271	4,350	15,638
			680	1,034	949	989	947	1,583	1,583	1,752	1,636	1,359	1,526	4,573	18,611
Totals		Expense	219	275	298	308	272	240	210	230	231	212	255	223	2,973
		Line Item	461	759	651	681	675	1,343	1,373	1,522	1,405	1,147	1,271	4,350	15,638
			680	1,034	949	989	947	1,583	1,583	1,752	1,636	1,359	1,526	4,573	18,611

(1) Monthly Profile Based Upon P3 Calendar Month Profile, NOT Accounting Realized Hours Calendar

Activity ID	Early Start	Early Finish	BCWS (000)
1			Hanford Site
1.01			River Protection Project
			Privatization Infrastructure TW08
			Privatization Infrastructure
1.01.08.01.01			Privatization Infrastructure
1.01.08.01.01.01			Phase I Privatization Infrastructure
330.A00	01OCT99	30SEP19	5,672.00
330.BA1	01OCT99	24MAY02	10,454.00
330.BB1	08NOV99	03MAR00	566.00
330.BB2		31MAR00	0.00
330.BC1	01OCT99	03NOV00	1,918.00
Subtotal	01OCT99	30SEP19	18,610.00



9.8.5 Milestone Log (Execution Year)

9.8.5 Privatization Infrastructure Milestone Log (Execution Year)

MS #	Title	Level	DNFSB/ TPA #	Schedule Date	TPA Date
T08-00-100	Construction Water and Roads Ready for BNFL	ORP	-	31-Mar-00	-

BNFL British Nuclear Fuel Limited, Inc.

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9.9 IMMOBILIZED TANK WASTE STORAGE AND DISPOSAL (TW09)

9.9.1 Mission Statement

The Immobilized Tank Waste Storage and Disposal project will provide safe storage and final near-surface disposal on the Hanford Site for immobilized low-activity tank waste (ILAW), and interim storage for immobilized high level waste (IHLW).

The ILAW project will be complete when the ILAW is disposed of on the Hanford Site, long-term surveillance and monitoring of the ILAW disposal site is ongoing, interim storage facilities have been decontaminated and decommissioned, and closure barriers have been placed over disposal sites. The ILAW storage and disposal facilities will accept the ILAW from the RPP Privatization Contractor. The ILAW waste packages will be placed in near-surface disposal facilities. The near-surface disposal systems and the waste package must meet DOE regulatory requirements for near-surface disposal of low-level waste.

The IHLW Interim Storage Facility will receive IHLW and transport it to a Canister Storage Building (CSB), where the product will be stored until it is shipped to a geologic repository. Storage of the Phase 1 product in the CSB will consolidate the high-level waste in one area and provide a safe environmentally sound storage of the IHLW product. HLW Interim Storage will provide additional storage capacity during Phase lB and 2. In addition, HLW interim storage will provide loadout capability for shipment of IHLW canisters to a geologic repository.

IHLW and ILAW waste receipts are currently planned to commence in 2007 and 2008, respectively.

9.9.2 Immobilized Waste Storage and Disposal (TW09) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
TW09 Immobilized Waste Storage & Disposal											
	Expense	4,968	11,303	5,331	7,606	7,649	7,512	9,743	17,920	15,680	7,342
	Line Item	-	-	-	-	-	-	-	-	-	19,499
	Expense	-	-	-	-	715	2,177	1,519	1,516	2,201	1,018
	Line Item	-	-	-	-	-	-	4,254	13,179	16,712	3,998
TOTAL W-465		-	-	-	-	715	2,177	5,773	14,695	18,913	5,016
	Expense	-	-	-	1,528	1,530	1,817	2,265	2,846	2,739	1,025
	Line Item	-	-	-	-	4,500	16,428	35,950	22,672	1,750	-
TOTAL W-464		-	-	-	1,528	6,031	18,245	38,215	25,518	4,490	1,025
	Expense	-	-	-	-	-	89	14	2,473	4,411	1,937
	Line Item	-	-	-	-	-	-	-	-	239	5,573
TOTAL W-520		-	-	-	-	-	89	14	2,473	4,651	7,510
1.1.9 IMMOB W STG & DISP'SL	Expense	4,968	11,303	5,331	9,136	9,894	11,594	13,540	24,756	25,032	11,322
	Line Item	-	-	-	-	4,500	16,428	40,204	35,851	18,702	29,070
TOTAL IMMOB W STG		4,968	11,303	5,331	9,136	14,394	28,022	53,745	60,607	43,733	40,392

(1) All dollars displayed contain applicable escalation

9.9.2 Immobilized Waste Storage and Disposal (TW09) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
TW09 Immobilized Waste Storage & Disposal										
	Expense	15,611	59,463	69,935	46,460	85,183	59,164	68,723	37,125	62,511
	Line Item	28,549	55,824	151,009	171,200	135,466	106,339	141,433	332,518	400,667
	Expense	241	-	-	-	-	-	-	-	-
	Line Item	858	-	-	-	-	-	-	-	-
TOTAL W-465		1,098	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-464		-	-	-	-	-	-	-	-	-
	Expense	1,575	1,367	1,208	4,561	3,292	-	-	-	-
	Line Item	5,778	21,498	29,686	28,361	325	-	-	-	-
TOTAL W-520		7,353	22,866	30,894	32,922	3,616	-	-	-	-
1.1.9 IMMOB W STG & DISP'SL	Expense	17,427	60,831	71,143	51,021	88,475	59,164	68,723	37,125	62,511
	Line Item	35,184	77,322	180,695	199,561	135,791	106,339	141,433	332,518	400,667
TOTAL IMMOB W STG		52,611	138,153	251,839	250,583	224,266	165,503	210,156	369,643	463,178

(1) All dollars displayed contain applicable escalation

9.9.2 Immobilized Waste Storage and Disposal (TW09) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
TW09 Immobilized Waste Storage & Disposal										
	Expense	45,968	37,630	47,891	22,987	23,656	33,940	25,174	35,731	29,565
	Line Item	417,173	313,895	307,280	245,804	195,329	87,553	44,177	22,370	46,413
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-465		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-464		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-520		-	-	-	-	-	-	-	-	-
1.1.8 IMMOB W STG & DISP'SL	Expense	45,968	37,630	47,891	22,987	23,656	33,940	25,174	35,731	29,565
	Line Item	417,173	313,895	307,280	245,804	195,329	87,553	44,177	22,370	46,413
TOTAL IMMOB W STG		463,141	351,525	355,171	268,791	218,986	121,494	69,351	58,101	75,978

(1) All dollars displayed contain applicable escalation

9.9.2 Immobilized Waste Storage and Disposal (TW09) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33
TW09 Immobilized Waste Storage & Disposal										
	Expense	32,222	37,578	26,549	29,098	5,035	5,329	5,666	8,179	10,689
	Line Item	47,574	-	60,948	86,309	42,447	21,320	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-465		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-464		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-520		-	-	-	-	-	-	-	-	-
1.1.9 IMMOB W STG & DISP'SL	Expense	32,222	37,578	26,549	29,098	5,035	5,329	5,666	8,179	10,689
	Line Item	47,574	-	60,948	86,309	42,447	21,320	-	-	-
TOTAL IMMOB W STG		79,796	37,578	87,497	115,408	47,483	26,649	5,666	8,179	10,689

(1) All dollars displayed contain applicable escalation

9.9.2 Immobilized Waste Storage and Disposal (TW09) Life-Cycle Costs (by Fiscal Year)
($000's) (1)

	Fund Type	FY34	FY35	FY36	FY37	FY38	FY39	FY40	FY41	FY42
TW09 Immobilized Waste Storage & Disposal										
	Expense	10,871	11,143	11,316	11,553	11,796	12,044	12,297	12,187	51,768
	Line Item	-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-465		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-464		-	-	-	-	-	-	-	-	-
	Expense	-	-	-	-	-	-	-	-	-
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL W-520		-	-	-	-	-	-	-	-	-
1.1.9 IMMOB W STG & DISP'SL	Expense	10,871	11,143	11,316	11,553	11,796	12,044	12,297	12,187	51,768
	Line Item	-	-	-	-	-	-	-	-	-
TOTAL IMMOB W STG		10,871	11,143	11,316	11,553	11,796	12,044	12,297	12,187	51,768

(1) *All dollars displayed contain applicable escalation*

9.9.2 Immobilized Waste Storage and Disposal (TW09) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

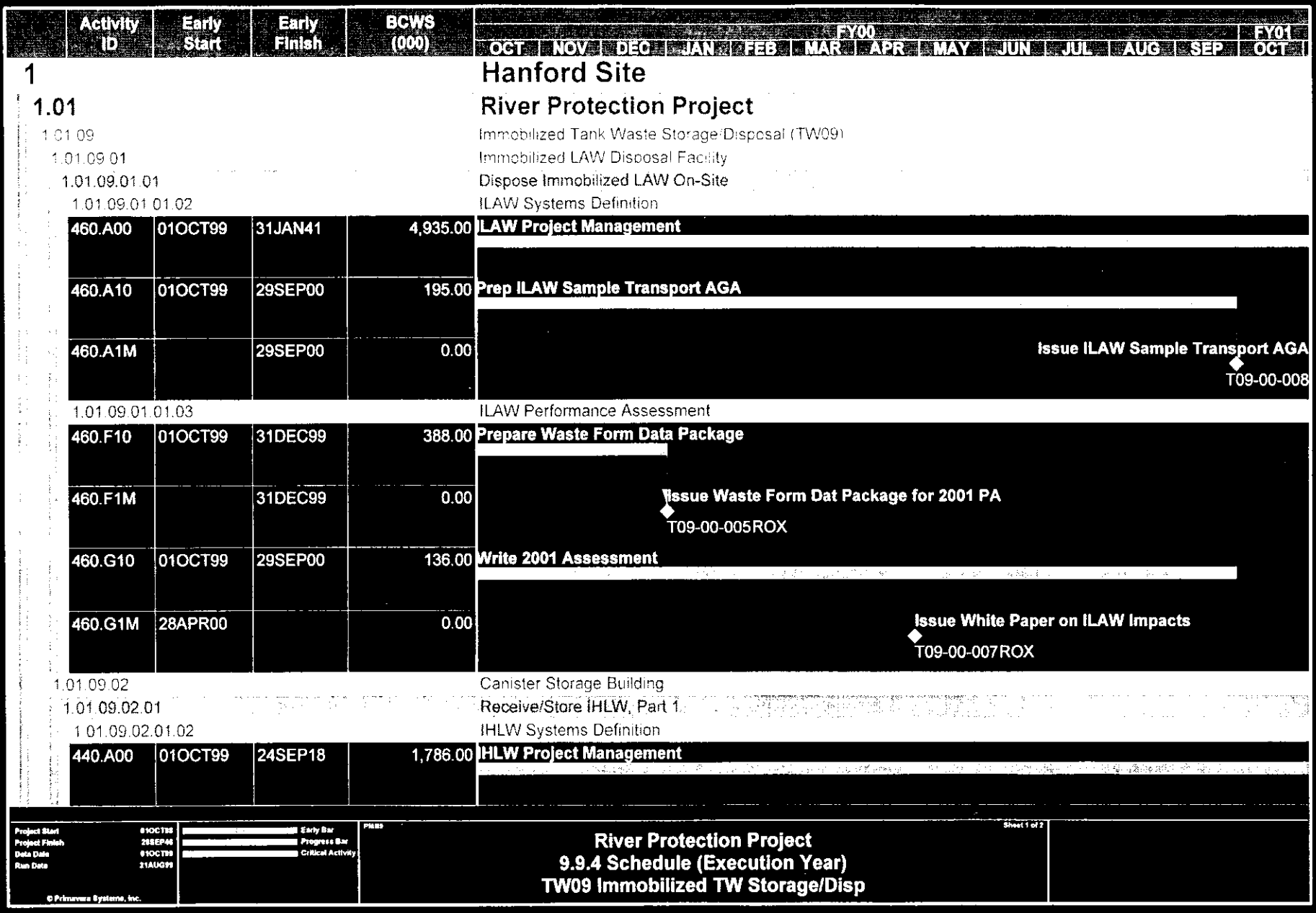
	Fund Type	FY43	FY44	FY45	FY46	FY47	Life- Cycle Total
TW09 Immobilized Waste Storage & Disposal							
	Expense	52,855	54,077	56,965	57,680	-	1,428,673
	Line Item	-	-	-	-	-	3,481,100
	Expense	-	-	-	-	-	9,386
	Line Item	-	-	-	-	-	39,001
TOTAL W-465		-	-	-	-	-	48,387
	Expense	-	-	-	-	-	13,751
	Line Item	-	-	-	-	-	81,300
TOTAL W-464		-	-	-	-	-	95,051
	Expense	-	-	-	-	-	20,928
	Line Item	-	-	-	-	-	91,460
TOTAL W-520		-	-	-	-	-	112,388
1.1.9 IMMOB W STG & DISP'SL	Expense	52,855	54,077	56,965	57,680	-	1,472,738
	Line Item	-	-	-	-	-	3,692,861
TOTAL IMMOB W STG		52,855	54,077	56,965	57,680	-	5,165,599

(1) All dollars displayed contain applicable escalation

9.9.3 Immobilized Waste Storage & Disposal (TW09) Budget Profile By Month (Execution Yr) (1) ($000's)

Level 6 Title		Fund Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1.1.9.1.1.1	ILAW Project Mgmt	Expense	38	37	37	39	52	58	44	44	58	53	61	50	571
1.1.9.1.1.2	ILAW Systems Definition	Expense	62	78	78	73	69	80	77	100	100	75	69	45	928
1.1.9.1.1.3	ILAW Perform Assm't	Expense	459	436	437	297	282	300	269	341	338	302	352	364	4,157
1.1.9.2.1.1	IHLW Project Mgmt	Expense	64	61	61	64	75	85	67	70	59	54	62	50	772
1.1.9.2.1.2	IHLW Systems Definition	Expense	124	102	89	89	85	97	96	105	105	96	110	84	1,182
1.1.9.2.1.3	Project W-464	Expense	129	122	144	177	171	168	143	143	129	109	49	44	1,528
Totals (W/O W-464/W-465/W-520)		Expense	767	714	702	562	543	620	553	660	660	580	654	593	7,608
Totals		Expense	896	836	846	739	714	788	696	803	789	689	703	637	9,136

(1) Monthly Profile Based Upon P3 Calendar Month Profile, NOT Accounting Realized Hours Calendar


Activity ID
Early Start
Early Finish
BCWS (000)
FY00
FY01
OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT
1
Hanford Site
1.01
River Protection Project
1.01.09
Immobilized Tank Waste Storage/Disposal (TW09)
1.01.09.01
Immobilized LAW Disposal Facility
1.01.09.01.01
Dispose Immobilized LAW On-Site
1.01.09.01.01.02
ILAW Systems Definition
460.A00 01OCT99 31JAN41 4,935.00
ILAW Project Management
460.A10 01OCT99 29SEP00 195.00
Prep ILAW Sample Transport AGA
460.A1M 29SEP00 0.00
Issue ILAW Sample Transport AGA
T09-00-008
1.01.09.01.01.03
ILAW Performance Assessment
460.F10 01OCT99 31DEC99 388.00
Prepare Waste Form Data Package
460.F1M 31DEC99 0.00
Issue Waste Form Dat Package for 2001 PA
T09-00-005ROX
460.G10 01OCT99 29SEP00 136.00
Write 2001 Assessment
460.G1M 28APR00 0.00
Issue White Paper on ILAW Impacts
T09-00-007ROX
1.01.09.02
Canister Storage Building
1.01.09.02.01
Receive/Store IHLW, Part 1
1.01.09.02.01.02
IHLW Systems Definition
440.A00 01OCT99 24SEP18 1,786.00
IHLW Project Management
Project Start 01OCT99
Project Finish 28SEP06
Data Date 01OCT99
Run Date 21AUG99
© Primavera Systems, Inc.
Early Bar
Progress Bar
Critical Activity
PM89
Sheet 1 of 2
River Protection Project
9.9.4 Schedule (Execution Year)
TW09 Immobilized TW Storage/Disp

Activity ID	Early Start	Early Finish	BCWS (000)	FY00 OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	FY01 OCT
440.A10	01OCT99	29SEP00	283.00	Prep IHLW Sample Transport AGA	
440.A1M		29SEP00	0.00	Issue IHLW Sample Transport AGA ◆ T09-00-009	
1.01.09.02.01.03				Project W-464, Immobilized HLW Interim Stor Fac	
440.B10	01OCT99	29SEP00	1,326.00	W-464 Advanced Conceptual Design	
440.B1M		29SEP00	0.00	Comp W-464 Advanced Conceptual Products ◆ T09-00-006	
440.E10	01OCT99	30JUN03	86.00	W-464 Part B Permit Application	
Subtotal	01OCT99	31JAN41	9,135.00		

Project Start 01OCT99
Project Finish 29SEP00
Data Date 01OCT99
Run Date 21AUG99

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Early Bar
Progress Bar
Critical Activity

PM09

Sheet 2 of 2

River Protection Project
9.9.4 Schedule (Execution Year)
TW09 Immobilized TW Storage/Disp

9.9.5 Milestone Log (Execution Year)

9.9.5 Immobilized Tank Waste Storage and Disposal Milestone Log (Execution Year)

MS #	Title	Level	DNFSB/TPA #	Schedule Date	TPA Date
T09-00-005	Issue Waste Form Data Packages for 2001 PA	ORP	-	31-Dec-99	-
T09-00-007	Issue White Paper on Impacts of BNFL ILAW Glass on PA Objectives	ORP	-	28-Apr-00	-
T09-00-006	Complete W-464 Advanced Conceptual Products	ORP	-	29-Sep-00	-
T09-00-008	Issue ILAW Sample Transport AGA	ORP	-	29-Sep-00	-
T09-00-009	Issue IHLW Sample Transport AGA	ORP	-	29-Sep-00	-

AGA alternative generation analysis
BNFL British Nuclear Fuel Limited, Inc.
ILAW immobilized low-activity waste
PA Performance Assessment

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9.10 RPP MANAGEMENT SUPPORT (TW10)

9.10.1 Mission Statement

The RPP Management Support Project (MSP) provides program management services and oversight that sustain RPP integration and control. Practical products of MSP work are systems developed, improved, deployed, and maintained to structure program strategy, direction and business management in support of the RPP technical functions, waste storage and waste disposal. Primary MSP functions include the following:

- Executive management and strategic planning

  Systems engineering to support risk and decision management and ongoing evolution of the RPP technical bases

  Administration of a core program and crosscutting services to ensure environmental, safety, health, and quality assurance compliance to all regulatory and contractual requirements applicable for the RPP

  Life-cycle project management that includes work to establish and maintain technical, cost, and schedule elements for the RPP baseline.

9.10.2 Management Support (TW10) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
TW10 Management Support											
	Expense	30,644	40,232	34,716	35,480	36,232	35,108	36,845	35,361	34,919	34,085
1.1.10 MGMT SUPPT	Expense	30,644	40,232	34,716	35,480	36,232	35,108	36,845	35,361	34,919	34,085
	Line Item	-	-	-	-	-	-	-	-	-	-
		30,644	40,232	34,716	35,480	36,232	35,108	36,845	35,361	34,919	34,085

(1) All dollars displayed contain applicable escalation

9.10.2 Management Support (TW10) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
TW10 Management Support										
	Expense	34,616	35,112	35,355	35,911	36,144	36,410	37,143	37,392	37,824
1.1.10 MGMT SUPPT	Expense	34,616	35,112	35,355	35,911	36,144	36,410	37,143	37,392	37,824
	Line Item	-	-	-	-	-	-	-	-	-
		34,616	35,112	35,355	35,911	36,144	36,410	37,143	37,392	37,824

(1) All dollars displayed contain applicable escalation

9.10.2 Management Support (TW10) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
TW10 Management Support										
	Expense	38,419	38,757	39,027	39,651	40,491	40,622	41,122	41,686	42,157
1.1.10 MGMT SUPPT	Expense	38,419	38,757	39,027	39,651	40,491	40,622	41,122	41,686	42,157
	Line Item	-	-	-	-	-	-	-	-	-
		38,419	38,757	39,027	39,651	40,491	40,622	41,122	41,686	42,157

(1) All dollars displayed contain applicable escalation

9.10.2 Management Support (TW10) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33
TW10 Management Support										
	Expense	42,202	42,745	43,303	43,870	44,276	45,041	45,644	46,444	46,892
1.1.10 MGMT SUPPT	Expense	42,202	42,745	43,303	43,870	44,276	45,041	45,644	46,444	46,892
	Line Item	-	-	-	-	-	-	-	-	-
		42,202	42,745	43,303	43,870	44,276	45,041	45,644	46,444	46,892

(1) All dollars displayed contain applicable escalation

9.10.2 Management Support (TW10) Life-Cycle Costs (by Fiscal Year)

($000's) (1)

	Fund Type	FY34	FY35	Life- Cycle Total
TW10 Management Support				
	Expense	47,349	-	1,489,225
1.1.10 MGMT SUPPT	Expense	47,349	-	1,489,225
	Line Item	-	-	-
		47,349	-	1,489,225

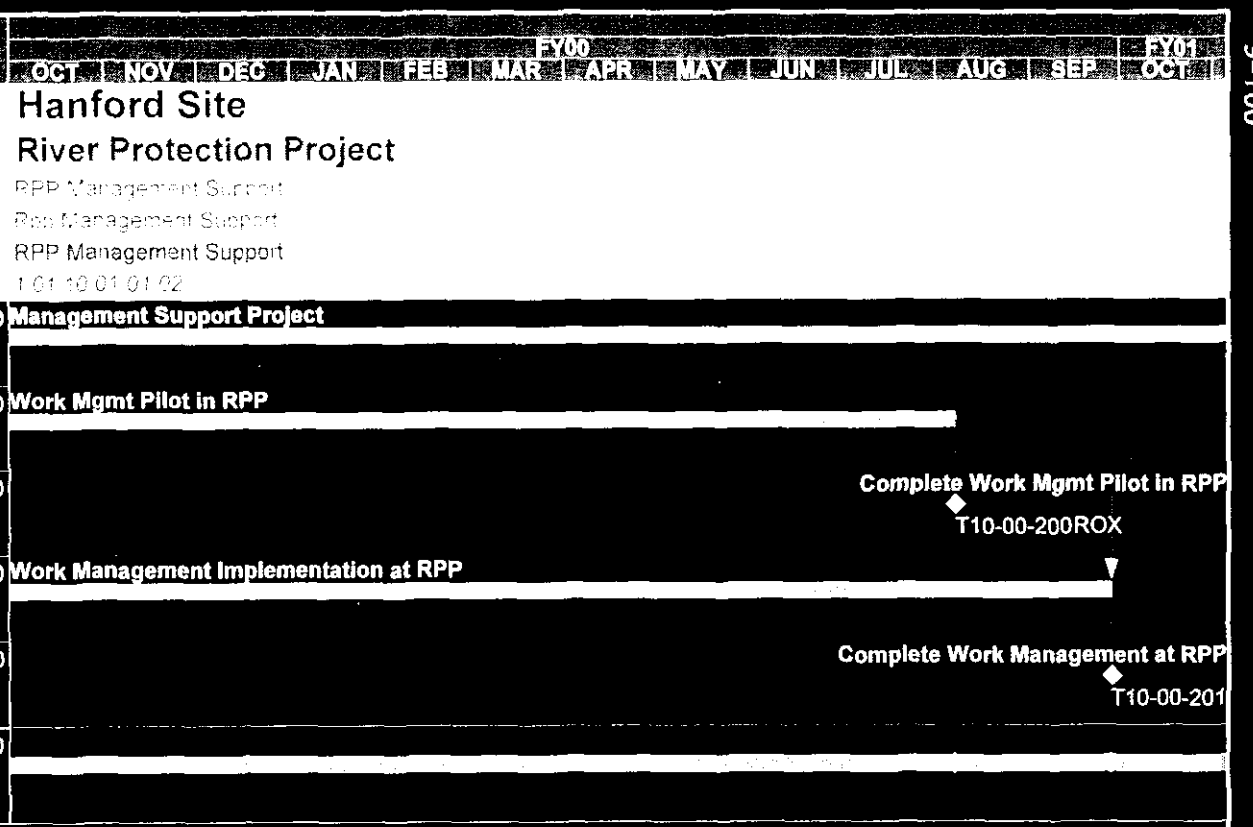
(1) All dollars displayed contain applicable escalation

9.10.3 Management Support (TW10) Budget Profile By Month (Execution Year)
($000's)

Level 6 Title	Fund Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1.1.10.1.1.1 RPP Mgmt & Admin	Expense	396	378	396	378	378	434	378	415	415	359	434	378	4,739
1.1.10.1.1.2 RPP Integration	Expense	777	843	822	752	685	625	522	563	595	518	589	496	7,787
1.1.10.1.1.3 RPP Planning/Control	Expense	538	512	537	512	512	601	523	575	569	492	595	518	6,484
1.1.10.1.1.4 RPP Direction	Expense	1,378	1,312	1,378	1,312	1,313	1,509	1,312	1,444	1,444	1,247	1,509	1,312	16,470
Totals	Expense	3,089	3,045	3,133	2,954	2,888	3,169	2,735	2,997	3,023	2,616	3,127	2,704	35,480

(1) Monthly Profile Based Upon P3 Calendar Month Profile, NOT Accounting Realized Hours Calendar

Activity ID	Early Start	Early Finish	BCWS (000)
1			Hanford Site
1.01			River Protection Project
[illegible]			RPP Management Support
[illegible]			Rpp Management Support
1.01.10.01.01			RPP Management Support
[illegible]			1.01.10.01.01.02
710.A00	01OCT98	29SEP34	34,464.50
710.F00	04MAY99	07AUG00	667.50
710.F0M		07AUG00	0.00
710.G00	08JUN99	27SEP00	347.70
710.G0M		27SEP00	0.00
Subtotal	01OCT98	29SEP34	35,479.70



Project Start	01OCT98	Early Bar
Project Finish	29SEP34	Progress Bar
Data Date	01OCT98	Critical Activity
Run Date	21AUG99	

PMBA

Sheet 1 of 1

River Protection Project
9.10.4 Schedule (Execution Year)
TW10 Management Support

9.10.5 Milestone Log (Execution Year)

9.10.5 Management Support Milestone Log (Execution Year)

MS #	Title	Level	DNFSB/ TPA #	Schedule Date	TPA Date
T10-00-200	Complete Work Management Pilot at RPP	ORP	-	07-Aug-00	-
T10-00-201	Complete Work Management at RPP	ORP	-	27-Sep-00	-

RPP River Protection Project

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10.0 REFERENCES

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National Environmental Policy Act of 1969, 42 USC 4321, et seq.

Nuclear Waste Policy Act of 1982, 42 USC 10101, et seq.

Resource Conservation and Recovery Act of 1976, 42 USC 6901, et seq.

"Safety Measures for Waste Tanks at Hanford Nuclear Reservation," Public Law 101-510.

Strom Thurmond National Defense Authorization Act for Fiscal Year 1999

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Appendix A
TYPICAL FISCAL YEAR CALENDAR

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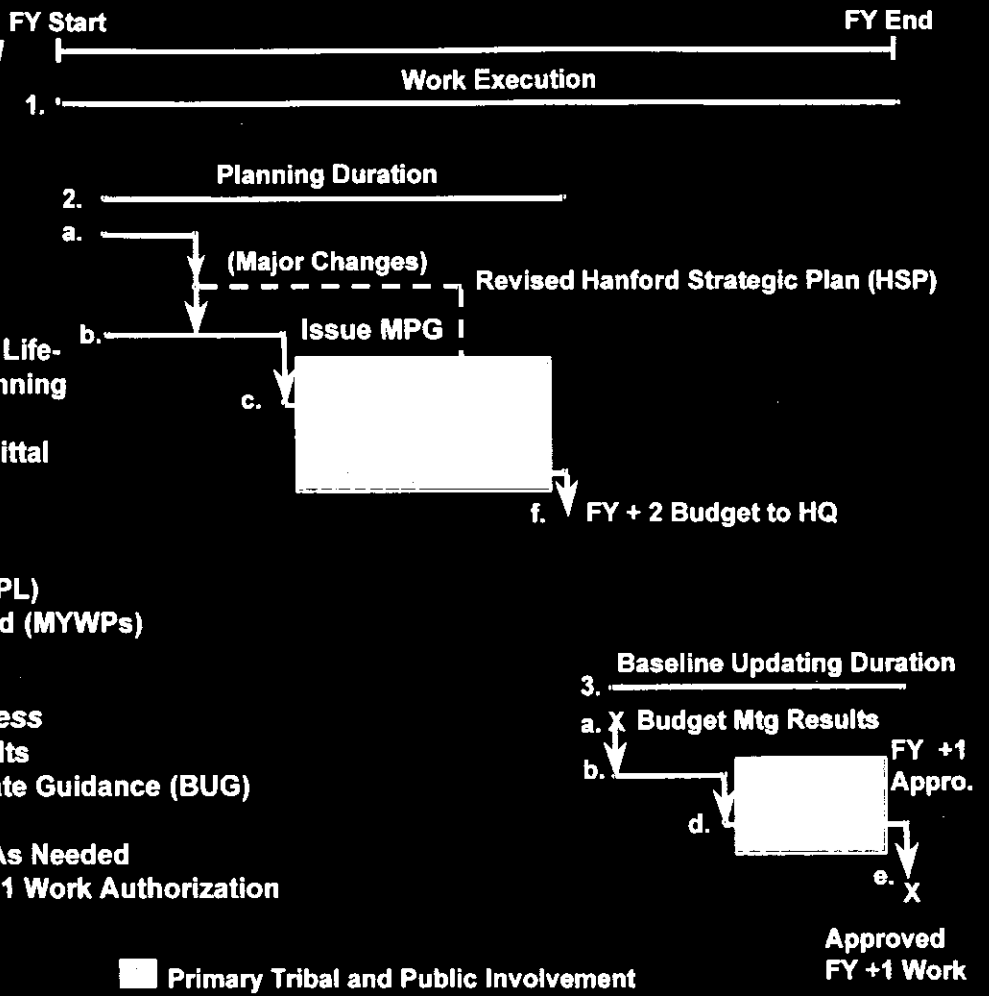
Typical Fiscal Year (FY) Calendar

1. FY *Work Execution to Approved Baseline Work Plans(MYWPs and AWPs) Implementing the Site EM Specification*
2. *Annual Planning Process*
   a. Review HSP for Changes
      * No/Minor Changes
      * Major Changes (seldom)
   b. Mission Planning Guidance for Life-Cycle, Long-Range Budget Planning
   c. Planning & Analysis
   d. FY+1 President's Budget Submittal
   e. IPL/Budget Preparation
   f. FY+2 Budget to HQ
      - Project Baseline Summaries
      - With Integrated Priority List (IPL)
      - FY Baseline Update As Needed (MYWPs)
      - 2006 Plan Update
3. *Annual Baseline Updating Process*
   a. FY+2 HQ Budget Meeting Results
   b. Develop & Issue Baseline Update Guidance (BUG)
   c. FY+1 Appropriation Known
   d. Revised Baseline Preparation As Needed
   e. Approved Work Plans with FY+1 Work Authorization
      - Baseline Update As Needed
      - 2006 Plan Update As Needed



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Appendix B
PROJECT PRIORITY LIST

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Appendix B PROJECT PRIORITY LIST

River Protection Project

Project Priority List (1)

			FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
UAS	PBS	"UNIT OF ANALYSIS"							
03U	TW03	RPP DST MINIMUM SAFE OPERATIONS	61,310	68,248	66,323	64,387	62,533	59,827	59,928
03Y	TW03	RPP SST MINIMUM SAFE OPERATIONS	11,716	14,887	13,277	13,219	13,573	11,783	11,852
0FU	TW03	RPP TRANSFERS & WASTE STAGING	1,393	1,586	1,814	3,723	1,883	2,008	1,128
03X	TW01	RPP CHARTZN -SUPPT TO MIN SAFE OPS	1,995	4,478	2,107	5,309	6,121	3,592	608
042	TW03	RPP SST LIQUID EMERGENCY PUMPING	24	25	25	530	-	-	-
043	TW01	RPP CHARTZN - SUPT TO EMERG PUMPS	1,157	1,778	2,977	-	-	276	-
03W	TW02	RPP SAFETY, UBC, AUTHORIZATION BASIS	6,426	9,071	7,056	7,658	7,491	7,950	7,818
046	TW10	RPP FLAMMABLE GAS MINIMUM SAFE OPERATIONS	9,430	7,240	3,808	3,933	1,538	1,459	1,930
044	TW10	RPP MGMT SUPPT-ENV, SAFETY DUAL ASSMT & HEALTH	2,453	2,771	2,834	2,690	2,892	2,804	2,770
044	TW10	RPP MGMT SUPPT - ENGINEERING MGMT & ADMIN	764	619	636	654	672	690	707
049	TW02	RPP SAFETY, UBC, AUTHORIZATION BASIS	6,426	9,071	7,056	7,658	7,491	7,950	7,818
04W	TW03	RPP ECN INCORPORATION	298	460	460	478	478	245	240
0FZ	TW03	RPP EMERG. PREPAREDNESS DRILL REQTS	351	367	374	382	390	398	407
032	TW03	RPP CONFIGURATION / ALARM MGMT.	2,585	2,821	2,760	2,610	2,876	2,185	2,472
036	TW03	RPP DOE ENVIRONMENTAL RECORDS	209	67	69	101	103	84	86
057	TW03	RPP AIR OPERATING PERMIT IMPLEMENTATION	600	822	759	617	631	578	590
0MR	TW03	RPP AS-BUILT DRAWINGS AND COMPONENT LABELING	798	2,271	875	-	82	576	1
043	TW03	RPP LEAK DETECTORS FOR ANNULUS IN 5Y FARM	585	-	-	-	-	-	-
0FY	TW03	RPP INTEGRATED SAFETY MGMT SYS (PHASE I)	96	102	104	67	68	3	3
0MR	TW03	RPP 702 A2 UPGRADES	856	1,161	155	556	430	430	440
		SUBTOTAL - MIN SAFE	103,187	117,946	108,641	107,514	101,974	95,049	96,987
04H	TW10	RPP MANAGEMENT SUPPORT - FEE	14,740	15,050	15,395	15,668	16,018	16,354	16,697
04C	TW10	RPP MGMT SUPPT - RL SUPPORT	1,125	817	834	851	868	171	173
04D	TW03	RPP OPERATIONS RL SUPPORT	2,563	2,572	2,513	2,084	1,065	1,065	1,078
04E	TW02	RPP SAFETY RL SUPPORT	1,100	1,047	206	213	217	222	227
04F	TW01	RPP CHARTZN SUPPT TO RL	125	128	130	133	136	139	142
047	TW10	RPP FDH PROJECT OFFICE SUPPORT	605	-	-	-	-	-	-
04P	TW10	RPP MGMT SUPPORT-PROJ PLNG INTG & CONTCAD	11,830	12,515	11,700	14,151	12,045	12,257	11,458
04Q	TW10	RPP MGMT. SUPPORT-SYS ENGRG	2,640	2,809	2,557	2,611	2,666	2,443	2,053
04T	TW03	RPP ROVER PATROL	1,223	1,250	1,256	1,283	1,309	1,337	1,369
0D0	TW03	RPP PNAA COMPLIANCE (HNF-PRO-2243)	771	844	859	872	886	465	483
0H3	TW10	RPP MANAGEMENT SUPPORT-WORK MANAGEMENT	1,300	1,951	1,162	-	-	-	-
047	TW04	RPP VADOSE ZONE CHARACTERIZATION	7,951	9,048	9,133	8,405	8,378	10,088	9,337
0MN	TW03	RPP FIRE HAZARD ANALYSIS	-	100	102	104	106	111	113
		SUBTOTAL - ESSENTIAL SERVICES	146,163	164,767	152,179	153,799	144,888	139,799	139,944

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River Protection Project
Project Priority List (1)

UAS	PBS	"UNIT OF ANALYSIS"	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
0H2	TW02	RPP SY 101 USQ LEVEL GROWTH	5,000	2,037	-	-	-	-	-
04M	TW04	RPP SST (C-106) RETRIEVAL OPERATIONS	712	-	-	-	-	-	-
0FV	TW03	RPP PROCESS SYSTEMS UPGRADE	22	-	-	-	-	-	-
0G1	TW08	RPP CAM REPLACEMENT	419	109	-	-	-	-	-
041	TW03	RPP TMACS AND ENRAF	2,842	2,784	2,382	3,279	-	-	-
		SUBTOTAL -URGENT RISK- SAFETY	167,966	169,687	164,541	164,988	146,488	139,709	133,840
04B	TW01	RPP CHARZN - SUPPORT TO EVAPORATOR	353	619	2,857	2,531	1,444	1,310	636
06L	TW03	RPP SST LIQUID PUMPING - 2 CREW	30,802	31,297	26,398	20,541	8,670	8,500	-
0MD	TW03	RPP SST LIQUID PUMPING - 3 CREW	4,174	2,478	4,787	3,129	330	-	-
1CP	TW08	EVAPORATOR	6,848	5,858	6,334	6,490	6,643	6,791	6,935
0MC	TW01	RPP CHARZN - SUPPT TO INTERIM STABILIZN	-	-	-	-	-	-	-
		SUBTOTAL -URGENT RISK-TANK PUMPING	199,136	209,739	194,907	189,679	161,575	156,310	141,411
		MINIMUM CASE	199,136	209,739	194,907	189,679	161,575	156,310	141,411
04G	TW04	RPP DISPOSAL RL SUPPORT	119	123	125	128	130	133	135
06F	TW04	RPP W-151-101-AZ COMPLTN AND READINESS ASSMT	4,883	451	-	-	-	-	-
06T	TW08	RPP PRIVZN INFRASTRUCTURE (INCL W-519)(PHASE I)	1,324	541	450	30	16	-	-
06T	TW08	RPP PRIVZN INFRASTRUCTURE (INCL W-519)(PHASE I)-LI	13,986	7,555	596	-	-	-	-
04U	TW03	RPP TF RES & SAFE OPS (W-314)	5,700	7,388	7,441	4,709	2,749	3,009	2,945
04U	TW03	RPP TF RES & SAFE OPS (W-314) -LI	20,516	51,523	44,171	21,780	14,123	20,085	16,739
1AX	TW04	RPP W-YYY: TANK FARM UPGRADES	-	-	328	8,153	10,041	6,108	-
1AX	TW04	RPP W-YYY: TANK FARM UPGRADES - LI	-	341	28,704	57,912	54,585	14,890	-
06S	TW04	RPP INITIAL TK RETRIEVAL SYS (ITRS) DST (W-211)	843	1,011	1,038	801	796	787	775
06S	TW04	RPP INITIAL TK RETRIEVAL SYS DST (W-211) -LI	4,060	23,710	28,500	24,000	19,000	14,000	14,000
04Y	TW01	RPP CHARZN - SUPPT TO RETRIEVAL / PRIVATIZATION	26,363	21,164	29,824	29,165	30,237	33,585	38,183
06R	TW04	RPP DST WASTE RETRIEVAL	21,741	21,814	30,731	26,983	35,128	35,720	34,450
06R	TW04	RPP DST WASTE RETRIEVAL -LI	-	13,925	48,902	85,115	53,504	37,648	22,706
04T	TW05	RPP PRIVATIZATION PROGRAM MGMT (WIT) PHASE 1	7,017	8,775	15,521	15,339	17,502	14,072	12,899
1A8	TW05	RPP PLANNING & INTEGRATION	3,916	3,566	3,987	3,905	4,003	4,071	4,063
062	TW04	RPP HIGH-LEVEL WASTE SUPPORT (M-51) PHASE 1	2,858	3,747	2,523	3,265	3,222	3,307	3,055
061	TW04	RPP LAW SUPPORT PHASE 1	9,424	8,583	7,788	7,747	8,006	8,469	8,542
04Z	TW08	RPP INFRASTRUCTURE PROGRAM ENGRG/ADMIN	1,108	1,140	1,163	1,187	1,216	885	359
0DV	TW08	RPP WASTE MANAGEMENT	411	1,194	463	396	3,910	967	-
04R	TW09	RPP HLW - PROGRAM, SYSTEMS DEFN/OPS	1,953	1,735	1,885	4,869	7,921	6,827	3,130

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River Protection Project
Project Priority List (1)

UAS	PBS	"UNIT OF ANALYSIS"	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
04R	TW09	RPP HLW - PROGRAM, SYS DEF'NOPS-LI	-	-	-	-	-	-	19,499
0MG	TW09	RPP W-464, HLW INTERIM STG FACILITY	1,528	1,530	1,817	2,265	2,846	2,739	1,025
0MG	TW09	RPP W-464, HLW INTERIM STG FACILITY LI	-	4,500	16,430	35,950	22,670	1,750	-
04X	TW09	RPP ILAW PROGRAM, SYSTEMS DEF'NOPS	5,855	5,914	5,828	4,874	10,000	9,054	4,212
04X	TW09	RPP ILAW PROGRAM, SYS DEF'NOPS-LI	-	-	-	-	-	-	-
0MH	TW09	RPP W-465 ILAW INTERIM STG FACILITY	-	715	2,177	1,519	1,516	2,201	1,018
0MH	TW09	RPP W-465 ILAW INTERIM STG FACILITY LI	-	-	-	4,254	13,179	16,712	3,996
0SU	TW09	RPP W-520 ILAW DISPOSAL COMPLEX	-	-	89	14	2,473	4,411	1,837
0SU	TW09	RPP W-520 ILAW DISPOSAL COMPLEX-LI	-	-	-	-	-	238	5,573
04Q	TW08	RPP PRIVATIZATION INFRASTRUCTURE (PHASE II)	-	715	4,695	5,840	1,269	1,311	1,569
04Q	TW08	RPP PRIV'ZN INFRASTRUCTURE (PHASE II)-LI	-	-	-	-	-	-	3,594
06A	TW04	RPP TANK FARM CLOSURE	-	-	-	-	1,275	1,345	1,056
06U	TW08	RPP UTIL OPERS SUPPORT	130	4,222	5,004	5,374	6,667	38,276	16,366
0H7	TW03	RPP RAW WATER FLOW TOTALIZERS INSTALL'N	-	175	-	182	-	-	-
0H8	TW03	RPP TRANSFER PUMP REPLACEMENT 104-AW	-	542	-	-	-	-	-
04X	TW09	RPP ILAW PROGRAM, SYSTEMS DEF'NOPS	-	-	-	-	-	-	-
0ME	TW04	RTP RISK ALLOWANCE :TW04	-	-	-	-	-	18,882	13,594
		SUBTOTAL -URGENT RISK-PRIV'ZN - 90 %	332,652	405,918	484,873	545,235	489,583	457,591	376,655
06S	TW04	RPP HANFORD TANKS INIT'VE: EM-30 -(PHMC)	70	221	225	230	236	240	244
03V	TW02	RPP ORGANIC OPERATIONS	350	3,424	994	-	-	-	-
06J	TW02	RPP FLAMMABLE GAS ADDIT'L MONIT'G UPGRADES	198	1,779	-	-	-	-	-
0AC	TW03	RPP INTEGRITY INSPECTION M-32	2,742	2,351	1,932	1,972	2,060	1,878	1,957
0G4	TW03	RPP DST RCRA PART B APPLICATION	559	284	47	-	-	-	-
0G6	TW03	RPP WASTE ACCEPTANCE PROGRAM	23	25	25	26	26	9	9
0MF	TW04	RPP SST PROGRAM DEVELOPMENT	1,291	7,561	15,562	11,269	21,985	35,220	33,613
0MF	TW04	RPP SST PROGRAM DEVELOPMENT-LI	-	-	-	-	2,425	10,298	21,556
13K	TW01	RPP CHAR'ZN SUPPORT TO HMUSTS	-	10,360	404	-	-	-	-
99S	TW02	FSAR IMPLEMENTATION	1,695	3,739	503	-	-	-	-
0J6	TW03	DRAWINGS/ DOC'N FOR INACTIVE SYSTEMS	-	43	38	35	36	37	34
0T3	TW03	NATURAL PHENOMENON HAZARD MITIG'N	-	149	-	-	-	-	-
06S	TW03	RPP CASS CLOSURE	554	735	-	-	-	-	-
0MA	TW03	TANK PH ISSUE RESOLUTION	145	3,807	992	478	619	680	372
0J5	TW03	FACILITY DEACTIVATION	236	726	360	630	118	11,497	1,748
0JD	TW03	DST SSC ANALYSIS & DESIGN RECONSTITUTION	289	2,089	424	149	152	155	202

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River Protection Project
Project Priority List (1)

UAS	PBS	"UNIT OF ANALYSIS"	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
0JE	TW03	SST ISSC ANALYSIS & DESIGN RECONSTITUTION	-	-	-	1,560	78	78	78
06G	TW10	RPP MGMT - RESERVE	44	5,343	-	-	-	-	-
0T2	TW03	RPP TANK ISOLATION & ABANDONED EQUIP	-	-	-	2,271	-	549	-
0JK	TW03	REMOVE INACTIVE SYSTEMS FROM OPERATIONS	-	1,205	-	2,134	-	3,871	-
0JF	TW03	TANK STRUCTURAL ISSUE RESOL'N	-	1,059	798	48	-	-	-
0JH	TW03	UPGRADE DST HARDWARE & TECH. BASELINE	-	880	40	40	41	42	42
0JJ	TW03	UPGRADE SST HARDWARE & TECH. BASELINE	-	97	78	80	82	83	84
0MQ	TW03	LOW INSTALLATIONS	-	-	-	-	806	1,372	896
0TJ	TW03	METRIFICATION PROGRAM	-	-	51	-	-	-	-
		MYWP SUBMITTAL (INCL'G 242A EVAP'R)	340,848	451,786	567,344	566,207	518,286	523,390	437,493
		OTHER REQUIREMENTS							
0A7	TW04	RPP ACCEL'N VADOSE ZONE CHARACTERIZATION	2,377	-	-	-	-	-	-
19P	TW04	RPP DST RETR'VL TRADE STUDIES/O&M CONCEPTS	1,200	-	-	-	-	-	-
0WE	TW02	FBAR IMPLEMENTATION	4,146	-	-	-	-	-	-
0KF	TW01	RPP CHARZN - SUPPORT TO SAFETY SCREENING	5,000	-	-	-	-	-	-
0KK	TW04	RPP SST PROGRAM DEVELOPMENT	5,747	-	-	-	-	-	-
0KL	TW04	RPP HANFORD TANKS INITIATIVE: EM-30 - (PHMC)	10,662	-	-	-	-	-	-
0DZ	TW10	RL SUPPT - ICE REVIEW OF RPP	800	-	-	-	-	-	-
0VZ	TW05	RPP PRIVZN PROGRAM MGMT (WIT)	3,600	-	-	-	-	-	-
1DV	TW05	RPP PLANNING & INTEGRATION	2,500	-	-	-	-	-	-
1AU	TW09	RPP DATA COLL'N-STORAGE PERF. ASSMT.	1,610	-	-	-	-	-	-
0P6	TW04	RPP W-151 CONTINGENCY	1,000	-	-	-	-	-	-
1AV	TW02	RPP ORGANIC COMPLEXANT USQ (IMUST)	3,600	-	-	-	-	-	-
0J0	TW02	RPP FLAMMABLE GAS ADDIT'L MONIT'G UPGRADES	4,600	-	-	-	-	-	-
19Q	TW03	RPP WEED & PEST CONTROL	2,500	-	-	-	-	-	-
19R	TW03	RPP DTS / CAM SUPPORT	2,100	-	-	-	-	-	-
1DW	TW03	RPP OPERATIONS RL SUPPORT (TAP/ TIER II)	150	-	-	-	-	-	-
0HN	TW02	RPP SAFETY RL SUPPT (TAP/TIER II)	150	-	-	-	-	-	-
10X	TW01	RPP CHARZN SUPPORT TO RL	200	-	-	-	-	-	-
1AW	TW05	RPP PNNL SCIENCE / TECHNOLOGY INTEGN	15,000	-	-	-	-	-	-
1DY	TW03	RPP ROVER PATROL - INCREMENT	500	-	-	-	-	-	-
		SUBTOTAL - ADDITIONAL REQUESTS	67,692	-	-	-	-	-	-
		TOTAL RPP REQUEST (EM-30)	408,518	451,786	567,344	566,207	518,286	523,390	437,493

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River Protection Project
Project Priority List (1)

UAS	PBS	"UNIT OF ANALYSIS"	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
MYWP SUBMITTAL									
	TW01	TANK WASTE CHARACTERIZATION PROJECT	29,973	38,536	38,099	37,158	37,938	38,672	39,549
	TW02	TANK SAFETY ISSUE RESOLUTION PROJECT	24,199	27,437	12,567	11,805	9,246	9,661	9,366
	TW03	TANK FARM OPERATIONS	154,342	207,163	181,586	154,265	114,154	132,701	105,409
	TW03	EVAPORATOR	5,848	5,658	6,334	6,490	6,643	6,791	6,935
	TW04	RETRIEVAL PROJECT	53,932	69,315	173,557	234,028	219,695	197,111	163,067
	TW05	PROCESS WASTE SUPPORT	10,933	12,341	19,508	19,244	21,505	18,143	16,782
	TW06	PRIVATIZATION INFRASTRUCTURE	16,961	15,367	12,561	12,627	13,118	41,459	21,906
	TW08	IMMOBILIZED TANK WASTE STORAGE & DISP'L PROJEC	9,136	14,394	28,024	53,745	60,605	43,733	40,392
	TW10	RPP MANAGEMENT SUPPORT	35,490	36,232	35,108	36,845	35,361	34,919	34,085
	RPP	RPP RESERVE	44	5,343	-	-	-	-	-
		TOTAL EM30: COMPLIANCE	340,848	451,786	507,344	566,207	518,265	523,390	437,493
		RPP HANFORD TANKS INITIATIVE: EM-50	-	-	-	-	-	-	-
		TOTAL EM30 & EM50	340,848	451,786	507,344	566,207	518,265	523,390	437,493
TOTAL REQUESTS									
	TW01	TANK WASTE CHARACTERIZATION PROJECT	35,173	38,536	38,099	37,158	37,938	38,672	39,549
	TW02	TANK SAFETY ISSUE RESOLUTION PROJECT	36,695	27,437	12,567	11,805	9,246	9,661	9,366
	TW03	TANK FARM OPERATIONS	159,592	207,163	181,586	154,265	114,154	132,701	105,409
	TW03	EVAPORATOR	5,848	5,658	6,334	6,490	6,643	6,791	6,935
	TW04	RETRIEVAL PROJECT	74,938	69,315	173,557	234,028	219,695	197,111	163,067
	TW05	PROCESS WASTE SUPPORT	32,233	12,341	19,508	19,244	21,505	18,143	16,782
	TW06	PRIVATIZATION INFRASTRUCTURE	16,961	15,367	12,561	12,627	13,118	41,459	21,906
	TW09	IMMOBILIZED TANK WASTE STORAGE & DISP'L PROJEC	10,746	14,394	28,024	53,745	60,605	43,733	40,392
	TW10	RPP MANAGEMENT SUPPORT	36,260	36,232	35,108	36,845	35,361	34,919	34,085
	RPP	RPP RESERVE	44	5,343	-	-	-	-	-
		TOTAL EM30: REQUIRED FUNDING	408,510	451,786	507,344	566,207	518,265	523,390	437,493

(1) All Dollars displayed contain applicable Escalation

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Appendix C
INSTRUCTIONS ON ACCESSING ELECTRONIC MYWP

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INSTRUCTIONS ON ACCESSING ELECTRONIC MYWP

1. Click on your Windows "Start" button.

2. Select "Programs".

3. Select "(HLAN)".

4. Select "Software Distribution".

5. Once in Software Distribution go to the "Hanford Site Applications" menu, Click the "OK" button .

6. Select "Hanford Data Integrator-HANDI v4.1", Click on the Install button.

7. After following the Install instructions, Click on your Windows "Start" button.

8. Select "Programs".

9. Select HANDI 4.x, ("x" indicates version and may change due to updates, this *does not* mean you need to reinstall, these updates will occur automatically at the time you access HANDI, unless otherwise directed from SP&I).

10. Select MYWP from the HANDI Menu.

11. Select what version of the MYWP you want to access (currently only Planning is available).

12. Once in the MYWP, select if you want to view the Table of Contents (TOC) for the complete MYWP or by a subset of the complete document (i.e.. Baseline data, or Specs/Requirements).

13. Select either a Mission or PBS level from the WBS tree, then select what products you want to view from the TOC list.

NOTE: Access is limited to computers connected to the HLAN.

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Appendix D
ELECTRONIC ACCESS OF TBR DATA

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APPENDIX D ELECTRONIC ACCESS OF TBR DATA

Purpose

The purpose of the Access Database is to provide an electronic, configuration-controlled, central-file repository for Technical Basis Review (TBR) packages using a predefined directory structure and naming convention.

System Description

The electronic repository for the River Protection Project (RPP) TBRs is located on fileserver AP005, share name TWRSTbrData. Each TBR package consists of the following four files.

- Cost Est. Input Sheets — CEIS999999.XLS
- Fragnets — FRAG999999.pdf
- Resource Report — Resr999999.out (.pdf at a later date)
- Narrative — TBR999999.doc

A TBR package can be in the following three states at any given time, reflected by the following root directory structure.

BaselineXX. This is the state of the baseline at the time of approval.

Baseline+Changes. This is the BaselineXX with approved changes providing the current state of the baseline at any given time.

ChangeInProg. Files in this directory are undergoing some type of change action.

Microsoft SourceSafe is the management tool used to maintain configuration control of the files located in Baseline+Changes. SourceSafe both provides the history of all changes and assigns the revision numbers. SourceSafe is controlled by at least one administrator from each project baseline summary (PBS). The administrators have permission to manage only their own PBSs within SourceSafe. To date, all designated PBS administrators have been trained in the use of SourceSafe.

Access Instructions

The following steps provide access to the TWRSTbrData repository.

1. Log on to Hanford Local Area Network (HLAN).
2. Open either "My Computer" or "Windows Explorer."
3. Map a drive to \\AP005\TWRSTbrData, unless the drive has been previously mapped.
4. Open the drive just mapped and drill down to one of the following directories.
   - Baseline99
   - Baseline+Changes
   - ChangeInProg.
5. The 10 PBSs are listed in each directory.
6. The supporting TBRs are located under each PBS, one folder for each TBR. The exception is in the directory "CangeInProg." Under this directory, each folder lists the name of the person responsible for a particular change in progress.
7. Each TBR folder contains the four files that make up a TBR; the CEIS, the Narrative, the Resource Report, and the Logic Diagram. For example:

Cost Est. Input Sheets	CEIS999999.XLS
Fragnets	FRAG999999.pdf
Resource Report	Resr999999.out (.pdf at a later date)
Narrative	TBR999999.doc.

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